



**SELF-IMPLEMENTING CLEANUP PLAN
PCB-IMPACTED SOIL
HITCHINER MANUFACTURING COMPANY FACILITY
594 ELM STREET
MILFORD, NEW HAMPSHIRE**

Prepared for:

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Milford, New Hampshire 03055

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October 28, 2016

GeoInsight Project 7843-000

P:\7843 Hitchiner Soil Borings\SIP\7843_2016-10 Self-Implementing Plan.docx



TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 INTRODUCTION	1
2.0 SITE BACKGROUND AND HISTORY	2
3.0 SITE INVESTIGATIONS AND DISTRIBUTION OF PCBs	3
3.1 GEOINSIGHT SUBSURFACE INVESTIGATION: OCTOBER 2016	3
3.1.1 Lithology	4
3.1.2 Analytical Results.....	4
4.0 CLEANUP PLAN.....	6
4.1 CLEANUP PLAN SEQUENCE.....	6
4.1.1 Pavement Removal.....	6
4.1.2 Soil Excavation.....	6
4.1.2.1 Clean Fill Removal	7
4.1.2.2 High Impacted Soil Removal.....	7
4.1.2.3 Low Impacted Soil Removal	7
4.2 SOIL VERIFICATION SAMPLING AND ANALYTICAL PROCEDURES.....	8
4.3 DECONTAMINATION PROCEDURES	9
4.4 MANAGEMENT OF BY-PRODUCTS AND DECONTAMINATION WASTE..	9
4.5 DISPOSAL CHARACTERIZATION AND TRANSPORTATION	10
4.5.1 Disposal Characterization.....	10
4.5.2 Transportation	10
4.6 DISPOSAL	11
4.6.1 Soil Disposal – PCB Remediation Waste.....	11
4.6.2 Liquid Waste	12
4.7 SITE HEALTH AND SAFETY PLAN.....	12
4.8 DUST CONTROL	12
4.9 SCHEDULE.....	13
5.0 QUALITY ASSURANCE PROJECT PLAN.....	14
6.0 NOTIFICATION AND CERTIFICATION	15
6.1 SITE ACCESS	15
6.2 CERTIFICATION	15
6.3 NOTIFICATION	15
7.0 REFERENCES	16



TABLE OF CONTENTS (continued)

TABLES

TABLE 1	Summary of PCB Analysis
TABLE 2	Excavation Plan
TABLE 3	Summary of PCB Analysis by Excavation Area

FIGURES

FIGURE 1	Site Locus
FIGURE 2	Site Plan
FIGURE 3	Black Silty Sand and PCB Distribution
FIGURE 4a	Cross-Section A-A'
FIGURE 4b	Cross-Section B-B'
FIGURE 4c	Cross-Section C-C'
FIGURE 5	Proposed Excavation Areas

APPENDICES

APPENDIX A	Soil Boring Logs
APPENDIX B	Laboratory Analytical Reports
APPENDIX C	Subpart Q PCB Concentration Comparison Using Soxhlet and Microwave Extraction Methods
APPENDIX D	Site Owner Certification



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1.0 INTRODUCTION

GeoInsight, Inc. (GeoInsight) prepared this Self-Implementing Cleanup (SIC) Plan to remediate polychlorinated biphenyl- (PCB) impacted soil located beneath a reinforced concrete pad at the Hitchiner Manufacturing Company, Inc. (Hitchiner) facility located at 594 Elm Street in Milford, New Hampshire (the Site; Figure 1). A risk-based cleanup for the Site was described in a draft report titled Risk-based Cleanup of PCBs dated May 9, 2016 and prepared by Gradient of Cambridge, Massachusetts. After considering comments to the draft report from the United States Environmental Protection Agency (USEPA) in an email dated June 29, 2016, Hitchiner elected to forego a risk-based approach under 40 CFR Part 761.61(c) and pursue the cleanup of PCBs under 40 CFR Part 761.61(a), with a cleanup objective of \leq 1 milligram per kilogram (mg/kg) for bulk PCB remediation waste. Site information was previously presented to the USEPA primarily in two reports prepared by Gradient: *Self-Implementing Cleanup of PCBs* dated December 19, 2014 (Gradient 2014 report) and the aforementioned draft *Risk-based Cleanup of PCBs* dated May 9, 2016 (Gradient 2016 report). Portions of each report are repeated or referenced herein for completeness.



2.0 SITE BACKGROUND AND HISTORY

Site background and history was presented in the Gradient 2016 report:

As part of upgrades at the Hitchiner facility in 2013, the existing stormwater management system was updated. As part of these improvements, use of an existing drainage basin behind the Facility was discontinued. A reinforced concrete pad for placement of roll-off dumpsters containing scrap solid waste (e.g., metal, wood) was installed in the former drainage basin area. Because the soil in the former drainage basin area had poor geotechnical properties and could not bear the load associated with the rolloff dumpsters, approximately 200 cubic yards of organic-rich silty sand from the base of the drainage basin was excavated and stock-piled on the Hitchiner property. The stockpiled soil was sampled for volatile organic compounds, polycyclic aromatic hydrocarbons, total petroleum hydrocarbons and PCBs; the stockpile was covered to prevent runoff. While this testing was in process, the concrete pad was installed.

Analytical laboratory data from the collection of four samples from the stockpiled soils showed low levels of benzo(a)anthracene (1 mg/kg), benzo(a)pyrene (1.1 mg/kg), and total PCBs (Aroclors 1254 and 1260 at 4.1 mg/kg and 4.5 mg/kg). A copy of these analytical data are provided in Appendix A (of the SIP report). In response to these data, an investigation was initiated that evaluated soil quality to a depth of 10 feet below the newly installed concrete pad to determine the extent of PCB-impacted soils remaining beneath the pad. Also, the stockpiled soils remained covered and were stored on the Hitchiner property until additional sampling could be conducted to characterize the material for disposal purposes.

The PCBs detected in soil beneath the concrete pad are associated with historical drainage at the Hitchiner facility. Shallow soils and sediments from the detention basin had previously been removed as part of remedial actions undertaken at the Operable Unit 2 portion of the nearby Savage Municipal Water Supply Superfund Site, where Hitchiner is a Settling Party. Shallow soil/sediments in the drainage basin and in downstream areas (i.e., up to a depth of 1 foot) with PCBs concentrations exceeding 1 mg/kg were excavated and disposed off-site (QST Environmental, 1997). Clean fill was used to replace the excavated material. The PCBs found in 2013 are located beneath soils that were previously removed.



3.0 SITE INVESTIGATIONS AND DISTRIBUTION OF PCBs

Three phases of subsurface investigations were completed in 2014, 2015, and 2016 to identify the nature and extent of PCB-impacted soil remaining in the former drainage basin area. The 2014 soil boring investigation was completed by GZA GeoEnvironmental (GZA) that included the installation of 15 soil borings and analysis of 22 soil samples, and the 2015 soil boring investigation was completed by GeoInsight and included the installation of 22 soil borings and analysis of 28 soil samples. These investigations were described in Sections 2.1 and 2.2 of the Gradient 2016 report. Soil analytical results obtained during these investigations are summarized in Table 1, soil boring locations are included on Figure 2, and soil boring logs from the 2014 and 2015 investigations are included in Appendix A. The third investigation, completed by GeoInsight in October 2016, is described below.

3.1 GEOINSIGHT SUBSURFACE INVESTIGATION: OCTOBER 2016

The objectives of the 2016 subsurface investigation were to 1) delineate the lateral and vertical extent of soils containing PCBs at concentrations ≥ 50 mg/kg, and 2) delineate the lateral and vertical extent of soils containing PCBs at concentrations > 1 mg/kg.

On September 26 through 28, 2016, GeoInsight advanced 34 soil borings beyond the eastern, western, and southern limits of the existing concrete pad and through the concrete pad to a depth of 10 feet below surface grade (bsg). At each borehole location, soil samples were collected continuously using 5-foot long acetate liners. Soil samples were collected for laboratory analysis primarily from three depth intervals: 4 to 5 feet bsg, 6 to 7 feet bsg, and 9 to 10 feet bsg. Some sample intervals were adjusted based upon the specific lithology identified in the borehole core sample (e.g., lithology indicative of swale deposition was sampled). A total of 104 samples were collected and submitted to Absolute Resource Associates, LLC (ARA) of Portsmouth, New Hampshire for analysis of PCBs by USEPA Method 8082 and the Soxhlet extraction method. Soil boring logs are included in Appendix A.



3.1.1 Lithology

Soil boring samples obtained during the 2016 subsurface investigation generally consisted of sand and gravel fill overlying deposits of black to dark brown silty fine sand (black silty sand). Based upon the composition, depth, and location of the black silty sand deposit it is believed to represent the former surface and near surface sediments of the pre-filled drainage basin. Many of the black silty sand samples also exhibited light and dark laminations, had a noticeable odor, and appeared to be stained. The underlying sand and gravel deposit is interpreted to be of glaciofluvial origin. Visual evidence of former drainage basin deposits in borings SB-100 through SB-114 were not evident, which are located in the eastern third of the investigation area. This finding is generally consistent with the 2014 and 2015 investigation findings, with the exception of borings GZ-2 and GZ-3. Of the remaining 19 borings, 12 contained the black silty sand deposit, and these borings are located in the western two thirds of the investigation area. Soil boring locations are included on Figure 2, soil borings containing the black silty sand deposit are highlighted on Figure 3. North-south trending cross-sections are depicted on Figures 4a, 4b, and 4c.

3.1.2 Analytical Results

Of the 104 samples analyzed for PCBs during the 2016 subsurface investigation, 63 samples did not contain PCBs at concentrations above the practical quantitation limit (PQL) of either 0.1 mg/kg or 0.2 mg/kg. The samples that did not contain PCBs at detectable concentrations were characterized as fill or glaciofluvial sand and gravels. PCBs were detected at concentrations above the PQL and ≤ 1 mg/kg in 16 soil samples and PCBs were detected at concentrations ranging from >1 mg/kg to <50 mg/kg in 19 soil. PCBs were detected at concentrations of ≥ 50 mg/kg in 6 samples, 5 of which were collected from the black silty sand layer and the remaining sample was collected from immediately above that layer in what appeared to be fill material.

The cross-sections in Figures 4a, 4b, and 4c clearly show the relationship between elevated PCB concentrations and the black silty sand layer.



Soil analytical results for the 2014, 2015, and 2016 investigations are summarized in Table 1 which includes a key for the soil type of each sample. Figure 3 includes the highest total PCB concentrations detected at each boring location and highlights concentrations >1 mg/kg and ≥ 50 mg/kg. Laboratory reports associated with the 2016 investigation are included in Appendix B.



4.0 CLEANUP PLAN

As previously stated, the cleanup plan objective is to excavate PCB-impacted soils at concentrations $> 1 \text{ mg/kg}$. This level of cleanup meets the high occupancy, unrestricted access (i.e., no cap) cleanup levels presented in CFR 761.61(a)(4)(i)(A), and precludes the need for a property restriction. In addition, the cleanup plan will be implemented in a manner that will segregate soils impacted with PCBs at concentrations $\geq 50 \text{ mg/kg}$ from soils impacted at concentrations of $> 1 \text{ mg/kg}$ and $< 50 \text{ mg/kg}$, and clean soils so the Toxic Substances Control Act (TSCA) hazardous waste and non-hazardous waste disposal facilities can be utilized.

4.1 CLEANUP PLAN SEQUENCE

4.1.1 Pavement Removal

Prior to commencing soil excavation activities, asphalt and cement pavement will be removed from three areas measuring approximately 30 feet by 112 feet (Area A and Area B), 14 feet by 52 feet (Area C), and 12 feet by 12 feet (Area D), as delineated on Figure 5. The pavement was installed in 2014 as part of a parking lot improvement project; therefore, the material is not impacted with PCBs and can be recycled and reused. The pavement will be removed and either stockpiled on-Site for subsequent loading and transport to a recycling facility or direct loaded for immediate transport to a recycling facility.

4.1.2 Soil Excavation

Soil excavation will proceed in a manner that will segregate clean soils (total PCBs $\leq 1 \text{ mg/kg}$), low impacted soils (total PCBs $> 1 \text{ mg/kg}$ and $< 50 \text{ mg/kg}$), and high impacted soils (total PCBs $\geq 50 \text{ mg/kg}$). In addition, excavation sequencing will minimize the number of equipment decontamination events needed to prevent cross contamination between the three soil groups. The soil groups were segregated into six Areas (A, B, B-1, B-2, C, and D on Figure 5), and an excavation sequence was assigned to each area. The excavation plan is



summarized in Table 2. Analytical data presented in Table 1 was reorganized by Area in Table 3.

4.1.2.1 Clean Fill Removal

Clean fill material was identified immediately below the pavement in five of the six designated areas. Once the pavement is removed, clean fill material will be removed from surface grade to either 3 feet bsg or 4 feet bsg, depending on the area designation. The clean fill will be stockpiled on-Site and reused to backfill the excavation. The rationale and supporting documentation for excavating and reusing the clean fill material is provided in Tables 2 and 3.

4.1.2.2 High Impacted Soil Removal

Portions of three Areas, A, B-1, and B-2 (Figure 5), were designated as high impacted due to the presence of soil containing PCBs at concentrations ≥ 50 mg/kg. Excavation of high impacted soil will occur from surface grade to 10 feet bsg in Area A, from 3 feet bsg to 10 feet bsg in Area B-1, and from 3 feet bsg to 9 feet bsg in Area B-2. Excavated soil will be stockpiled on-Site on polyethylene sheeting and covered at the end of each work day to ensure that PCBs are not spread to other areas of the Site. The rationale and supporting documentation for excavating and stockpiling high impacted material is provided in Tables 2 and 3. The high impacted soil will be loaded and transported to a hazardous waste facility for disposal, as further discussed in Section 4.6.

4.1.2.3 Low Impacted Soil Removal

Portions of four areas, A, B, C, and D (Figure 5) were designated as low impacted due to the presence of soil containing PCBs at concentrations >1 mg/kg and < 50 mg/kg. Excavation of low impacted soil will occur from 10 feet bsg to 14 feet bsg in Area A, from 3 feet bsg to 9 feet bsg in Area B (excluding Areas B-1 and B-2), from 3 feet bsg to 9 feet bsg in Area C, and from 4 feet bsg to 9 feet bsg in Area D. Excavated soil will be stockpiled on-Site on



Polyethylene sheeting and covered at the end of each work day to ensure that PCBs are not spread to other areas of the Site. The rationale and supporting documentation for excavating and stockpiling low impacted material is provided in Tables 2 and 3. The low impacted soil will be loaded and transported to a non-hazardous waste facility for disposal, as further discussed in Section 4.6.

4.2 SOIL VERIFICATION SAMPLING AND ANALYTICAL PROCEDURES

Following excavation activities, soil endpoint confirmation sampling will be completed on a 5-foot grid pattern at the base of each excavation area. In addition, excavation sidewalls will be sampled every 5 feet at two depths (generally at 4 feet bsg and 8 feet bsg). Given that pre-remediation conditions have been defined by comprehensive sampling (254 soil samples) and the extent of the planned remediation, we proposed to reduce the number of confirmation samples to be analyzed by compositing equal aliquots from four adjacent post-excavation samples to create a single composite sample for laboratory analysis. Additional sample material will be retained from each sample point so that if the composite sample does not meet the prescribed cleanup goals (i.e., <0.25 mg/kg¹), the four individual samples will be analyzed for PCBs.

Confirmation samples will be submitted to ARA for PCB analysis by USEPA Method 8082. ARA performed a Subpart Q PCB comparison study using USEPA Method 3540 (Soxhlet extraction) and USEPA Method 3546 (microwave extraction) as part of initial characterization activities. The results of the study indicated that PCB results provided by microwave extraction were within acceptable limits of Soxhlet extraction. Therefore, microwave extraction will be used for confirmation analysis. The results of the comparison study are included in Appendix C.

¹ If a four-point composite sample result is < 0.25 mg/kg total PCBs, each individual component must be <1 mg/kg.



4.3 DECONTAMINATION PROCEDURES

Decontamination procedures will be followed after completing the removal of soil impacted with PCB at concentrations ≥ 50 mg/kg and, again, after completing the removal of soil impacted with PCB at concentrations > 1 mg/kg but < 50 mg/kg. Equipment to be decontaminated will include excavators, loaders, and other equipment in contact with each soil group.

Excavation equipment will be decontaminated in the area designated as the “Decontamination Zone.” Final decontamination of personnel and equipment will take place within the “Decontamination Zone,” as necessary, to minimize spreading of impacted materials. Initial decontamination activities, such as removal of large quantities of debris from equipment, will be performed within the “Work Zone” to the extent practicable to minimize the amount of material brought into the “Decontamination Zone.”

Equipment will be decontaminated using a water/industrial strength detergent mixture and manual scrubbing using brushes in a contained washing area. Methods similar to those described in 40 CFR 761.375 that include a double wash and double rinse protocol will be followed. Wash and rinse water that collects in the washing area will be transferred to 55-gallon containers. A steam cleaner will also be used after the final rinse. The effectiveness of decontamination procedures will be evaluated with a standard wipe test. Two wipe samples from each piece of heavy equipment will be collected. One sample will be collected from the bucket of the heavy equipment, and a second wipe test will be conducted on a random location on the side or underside of the equipment. If the results of wipe sampling indicate surface concentrations greater than 10 micrograms per 100 square centimeters, then more aggressive cleaning methods will be employed.

4.4 MANAGEMENT OF BY-PRODUCTS AND DECONTAMINATION WASTE

Sampling and associated activities planned during excavation activities are anticipated to generate a minimal amount of solid and liquid by-products or wastes. These materials



include decontamination fluids, disposable equipment, and protective clothing. All efforts will be made during field activities to minimize the generation of by-products and waste materials. Wastes will be segregated for appropriate off-Site disposal.

Disposable materials and personnel protective equipment (PPE) will be deposited into 55-gallon containers for later disposal. Decontamination wash water will be transferred to a 55-gallon container for subsequent characterization and disposal. The containerized materials will be disposed using proper methods and protocol. PPE will be disposed in a hazardous waste landfill permitted by USEPA or a PCB disposal facility approved under 40 CFR 761.

4.5 DISPOSAL CHARACTERIZATION AND TRANSPORTATION

4.5.1 Disposal Characterization

Strategic Environmental Services (SES) of Sutton, Massachusetts will be retained by Hitchiner to perform construction services related to this project. SES will manage the transportation and disposal/treatment of remedial wastes generated through excavation and decontamination activities.

Wash and rinse water from decontamination procedures will be transported to and treated at a licensed Transportation, Storage, and Disposal Facility (TSDF). A representative water sample or samples will be collected and analyzed in accordance with USEPA regulatory guidelines for a hazardous waste characterization determination.

4.5.2 Transportation

PCB-impacted soil will be loaded into lined dump trailers utilizing front-end loaders and other earthmoving equipment as appropriate. The trucks will be covered to transport this material to the destination facility or to a rail transfer facility. Necessary transportation permits and approvals will be acquired prior to off-Site transport. Hazardous waste shipped



from the Site will be properly manifested or shipped under a Bill of Lading if the material is non-hazardous. A log will be maintained to track shipments that leave the Site. The following information will be tracked:

- container identification, date, time container leaves Site;
- hauler;
- approximate volume;
- weight (when measured);
- waste classification;
- manifest number; and
- dates of receipt of confirmation manifest copies.

4.6 DISPOSAL

4.6.1 Soil Disposal – PCB Remediation Waste

PCB-impacted soil containing PCBs concentrations $> 1 \text{ mg/kg}$ and $< 50 \text{ mg/kg}$, and identified to be not be impacted by other constituents, will be disposed at an industrial landfill permitted to accept PCB Remediation Waste. The proposed disposal facility is:

Waste Management of New Hampshire, Inc. (Turnkey)
90 Rochester Neck Road
Rochester, New Hampshire 03867

PCB-impacted soil containing PCB concentrations $\geq 50 \text{ ppm}$ will be transported to:

Wayne Disposal, Inc.
Hazardous Waste Landfill
49350 North I-94 Service Drive
Belleville, Michigan 48111
EPAID# MID048090633

In accordance with 40 CFR 761.61, the generator shall provide written notice to the off-Site facility where the PCB bulk remediation waste is destined, including the quantity to be shipped and the highest concentration of PCBs at least 15 days before the first shipment of waste from the Site.



4.6.2 Liquid Waste

Wash and rinse water generated during decontamination procedures will be evaluated for treatment in accordance with 40 CFR 761.79 and will be transported by SES to a licensed TSDF.

4.7 SITE HEALTH AND SAFETY PLAN

Before soil removal activities are initiated at the Site, GeoInsight will update the Site Health and Safety Plan (HASP). The purpose of the HASP is to define personal protection and monitoring protocols to be followed during investigation and sampling activities. The implementation of the HASP will reduce the risk of physical or chemical exposures that may affect personnel present in the proposed work area. The HASP will identify options for dust control including engineering controls (dust suppression by water or venting systems) and PPE to minimize exposures to potential PCB-bearing dust.

4.8 DUST CONTROL

Excavation activities will be performed in a manner that minimizes the generation and spread of airborne dust. Accordingly, the contractor(s) will employ dust control procedures.

The contractor(s) will evaluate and, if warranted, address dust control on a daily basis. Water will be obtained from the facility building, which is supplied with municipal water. Water will be applied to the soil and surrounding driveway/parking lot when necessary, but in quantities sufficient only to dampen the materials or pavement surface such that dust generation is prevented. Runoff from dust suppression activities is anticipated to be minimal and, therefore, collection and disposal of dust suppression water is not anticipated. Dust suppression water will be absorbed with the excavated soil. Sweeping, including manual (hand broom) and mechanical (street sweeper) methods, will be performed prior to, during, and following removal activities as necessary to minimize the accumulation of materials generated by removal activities that have the potential to become airborne. Dust



management measures will include the construction of decontamination pads to be used by equipment leaving active work areas.

Access roads and other work areas associated with the project will be maintained free from dust that could cause the standards for air pollution to be exceeded and subsequently cause a hazard or nuisance to others, including minimizing windblown dust onto adjacent and nearby properties. Soil piles will generally be covered to prevent dust transport by wind.

Trucks entering and leaving the Site will have their loads covered (in accordance with applicable local, State, and federal requirements) to prevent materials from being blown out of the bed.

4.9 SCHEDULE

Hitchiner anticipates conducting soil removal activities in November 2016.



5.0 QUALITY ASSURANCE PROJECT PLAN

A Quality Assurance Project Plan (QAPP) will be maintained at the Site for all phases of this project. The QAPP will include the following information:

- Project Organization;
- Project Planning/Project Definition;
- Project Description and Schedule;
- Project Quality Objectives and Measurement Performance Criteria;
- Sampling Process Design;
- Sampling Procedures and Requirements;
- Sample Handling, Tracking, and Custody Requirements;
- Field Analytical Method Requirements;
- Laboratory Analytical Methods;
- Quality Control Requirements;
- Data Acquisition Requirements;
- Data Management Tasks;
- Assessment and Response Actions;
- Quality Assurance Management Plan;
- Verification and Validation Procedures; and
- Data Usability/Reconciliation with Project Quality Objectives.

A copy of the QAPP will be provided to subcontractors and will be retained on-Site. It will be available on-Site for USEPA inspection.



6.0 NOTIFICATION AND CERTIFICATION

6.1 SITE ACCESS

GeoInsight has been contracted to complete this work by the Site owner; therefore, Site access will not be an issue.

6.2 CERTIFICATION

In accordance with 40 CFR 761.61; SIP notification requires written certification that sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and chemical analysis procedures used to assess or characterize the PCB impact at the cleanup Site will be on file at the location designated in the certificate, and that they will be available for USEPA inspection. Required plans and procedures summarized in the QAPP will be maintained at the Site and provided to construction subcontractors. A certification by Hitchiner that the QAPP will be maintained on-Site during remediation activities is included herein as Appendix D.

6.3 NOTIFICATION

Pursuant to 40 CFR 761.61, this SIC Plan acts as initial notification to the USEPA that Hitchiner intends to conduct a SIC at the Site.



7.0 REFERENCES

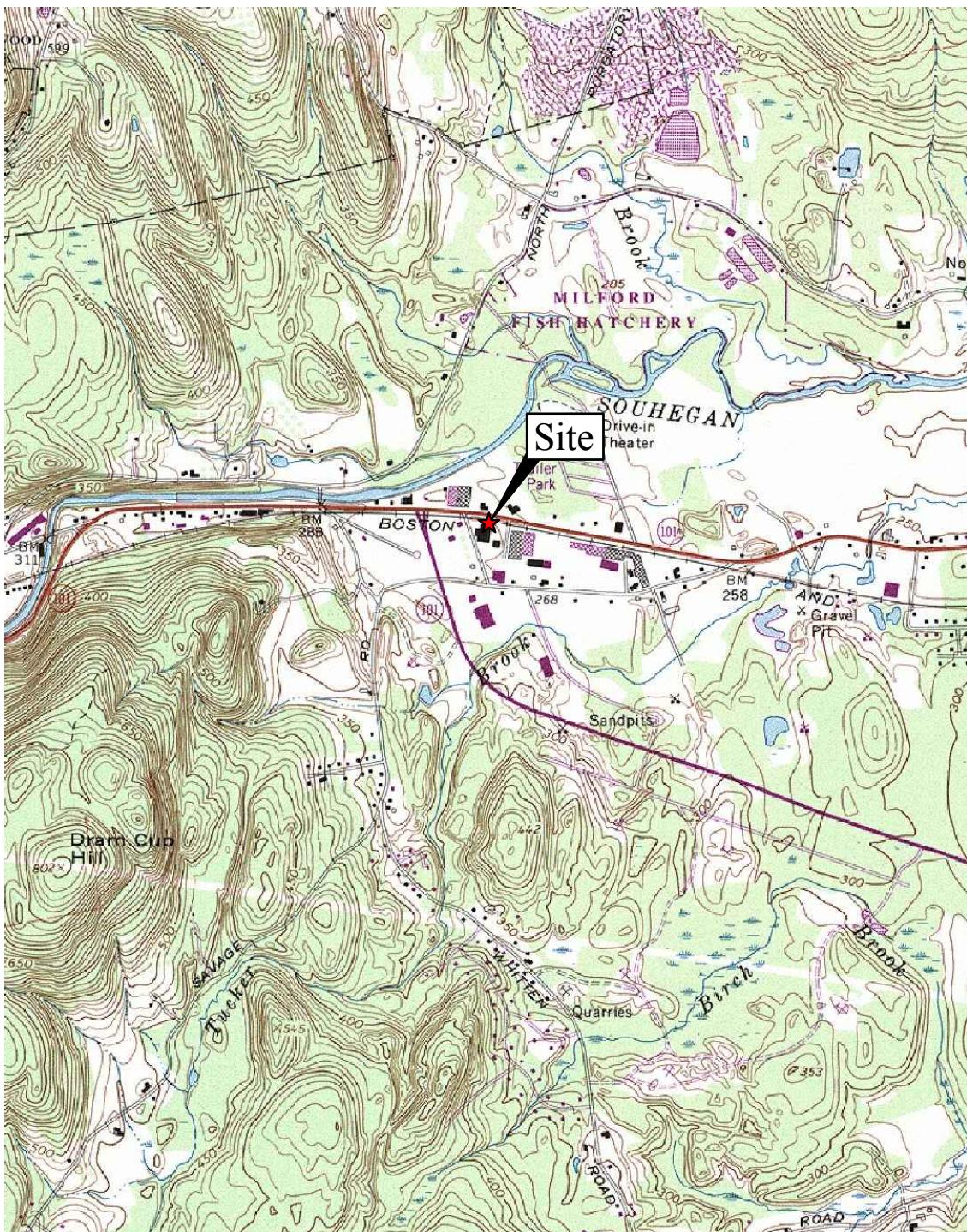
Gradient: December 19, 2014, *Self-Implementing Cleanup of PCBs*

Gradient: May 9, 2016, *Draft Risk-based Cleanup of PCBs*

Fieldstone Land Consultants, PLLC: April 29, 2013, Partial Existing Conditions Plan



FIGURES



PLOT DATE: 10-31-16
FILE: C:\Users\STM\appdata\local\Temp\AcPublish_11940\7843-Locus.dwg

SOURCE:

USGS MILFORD, NH TOPOGRAPHIC QUADRANGLE
CONTOUR INTERVAL: 10 FEET

0 2000 4000
APPROX. SCALE IN FEET

CLIENT: HITCHINER MANUFACTURING CO., INC.

PROJECT: ELM STREET FACILITY
MILFORD, NEW HAMPSHIRE

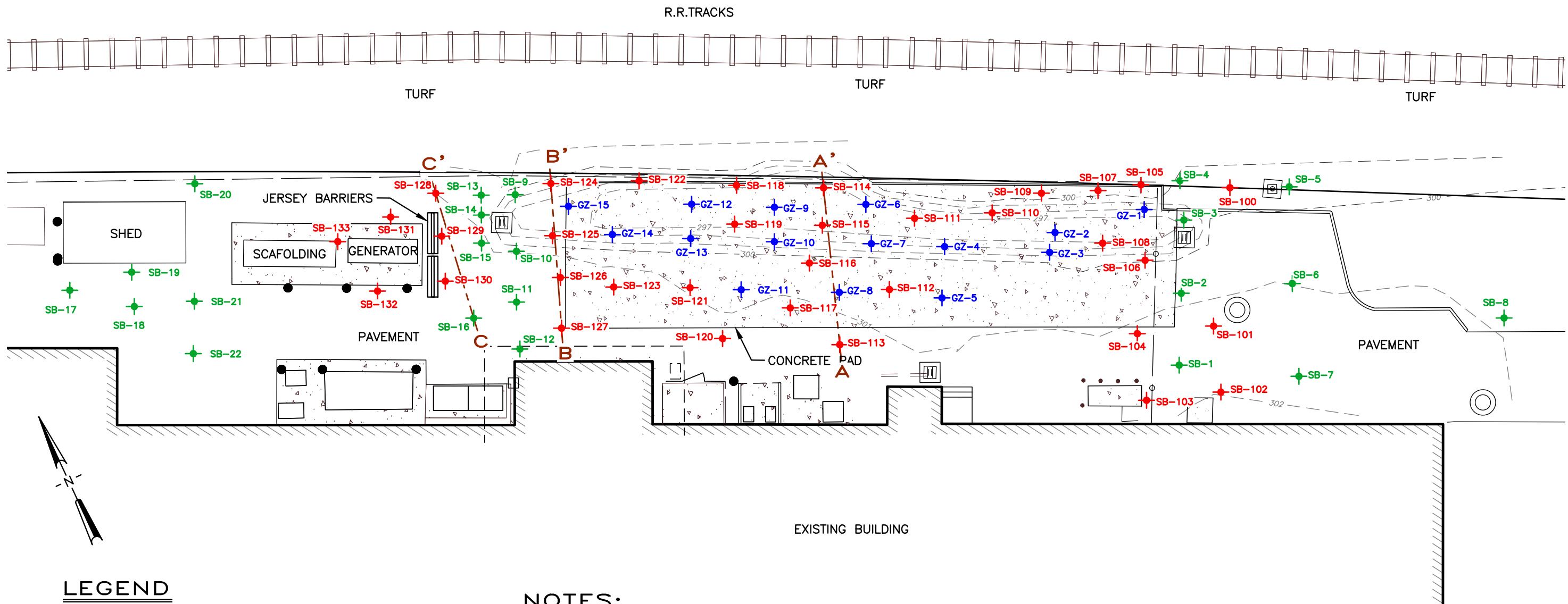
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DESIGNED: MFD	DRAWN: STM	CHECKED: MFD	APPROVED: MFD
SCALE: 1" = 2000'	DATE: 10/31/16	FILE NO.: 7843-LOCUS	PROJECT NO.: 7843-000
		FIGURE NO.: 1	



GeoInsight
Practical in Nature

E L M S T R E E T



LEGEND

- ◆ GZ-2 SOIL BORING LOCATION (2014)
- ◆ SB-2 SOIL BORING LOCATION (2015)
- ◆ SB-100 SOIL BORING LOCATION (2016)
- A — CROSS-SECTION LOCATION (FIGURES 4A, 4B, 4C)

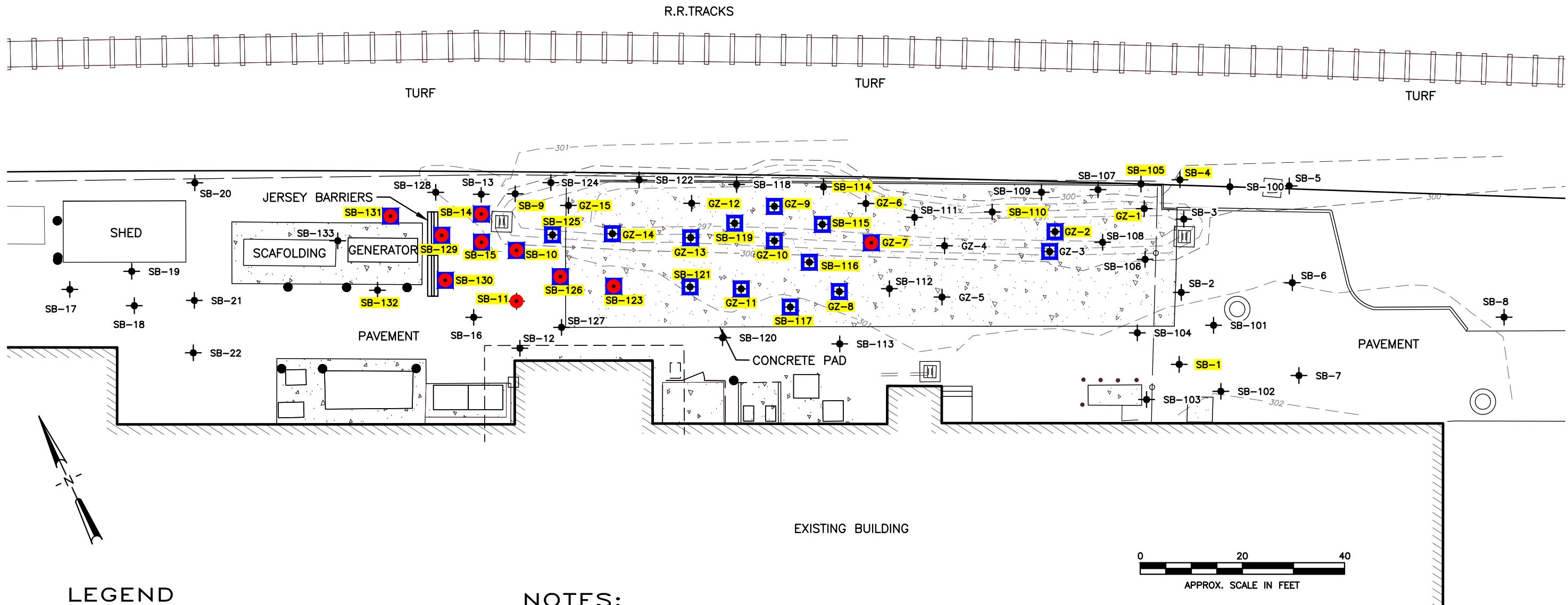
0 20 40
APPROX. SCALE IN FEET

NOTES:

1. THIS FIGURE IS BASED UPON A PLAN ENTITLED "ACTIVITY AND USE RESTRICTION PLAN (MAP 13, LOT 6) HITCHNER WAY, MILFORD, NEW HAMPSHIRE" PREPARED BY HAYNER/SWANSON, INC OF NASHUA, NEW HAMPSHIRE DATED APRIL 2015, AND A PLAN TITLED "HITCHNER MANUFACTURING CO., INC., PLANT 4 DEMOLITION, MILFORD, NH. PROPOSED GRADING AND SITE PLAN" BY GEOINSIGHT, INC. OF MANCHESTER, NEW HAMPSHIRE DATED AUGUST 2, 2013.
2. TOPOGRAPHIC CONTOURS WERE BASED UPON AN APRIL 29, 2013 PLAN ENTITLED "PARTIAL EXISTING CONDITIONS PLAN" PREPARED BY FIELDSTONE LAND CONSULTANTS, PLLC OF MILFORD, NEW HAMPSHIRE.

CLIENT: HITCHNER MANUFACTURING CO., INC.			
PROJECT: ELM STREET FACILITY MILFORD, NEW HAMPSHIRE			
TITLE: SITE PLAN			
DESIGNED: MFD	DRAWN: STM	CHECKED: MFD	APPROVED: MFD
SCALE: 1" = 20'	DATE: 10/20/16	FILE NO.: 7843D008	PROJECT NO.: 7843-000
FIGURE NO.: 2			

E L M S T R E E T



LEGEND

- ◆ GZ-2 SOIL BORING LOCATION (2014)
- ◆ SB-2 SOIL BORING LOCATION (2015)
- ◆ SB-100 SOIL BORING LOCATION (2016)
- SAMPLE LOCATIONS ≥ 50 mg/kg TOTAL PCBs
- SAMPLE LOCATIONS > 1 mg/kg TOTAL PCBs
- BLACK SILTY SAND OBSERVED

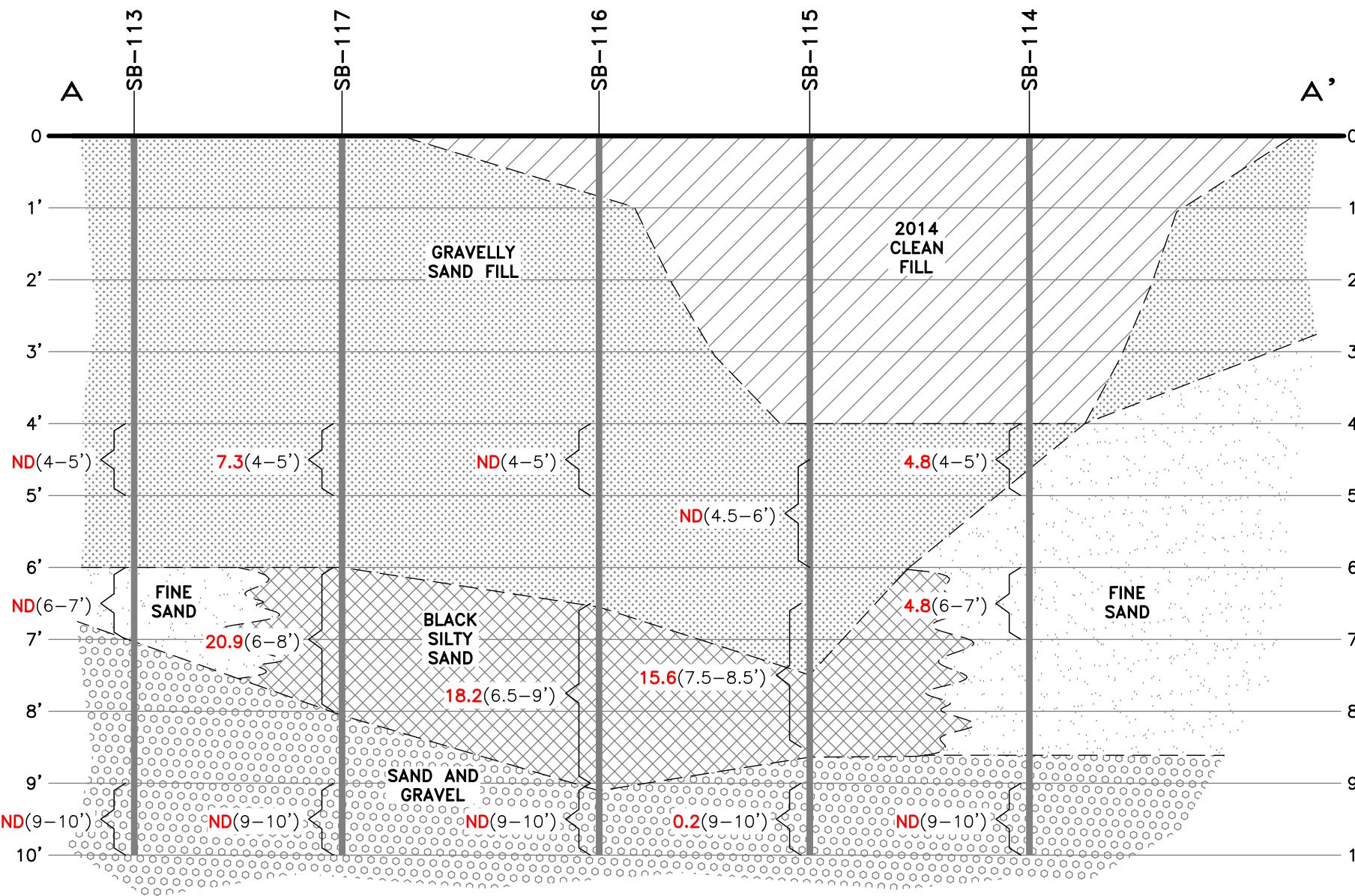
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CLIENT:	HITCHNER MANUFACTURING CO., INC.		
PROJECT:	ELM STREET FACILITY MILFORD, NEW HAMPSHIRE		
TITLE:	BLACK SILTY SAND AND PCB DISTRIBUTION		
DESIGNED:	MFD	DRAWN:	STM
CHECKED:	EDU	APPROVED:	MFD
SCALE:	1" = 20'	DATE:	10/20/16
FILE NO.:	7843D007	PROJECT NO.:	7843-000
FIGURE NO.:	3		



GeoInsight
Practical in Nature



0 5 10 HORZ.
0 2 4 VERT.
APPROX. SCALE IN FEET

CLIENT:
HITCHINER MANUFACTURING CO., INC.

PROJECT:
ELM STREET FACILITY
MILFORD, NEW HAMPSHIRE

TITLE:
CROSS SECTION A-A'

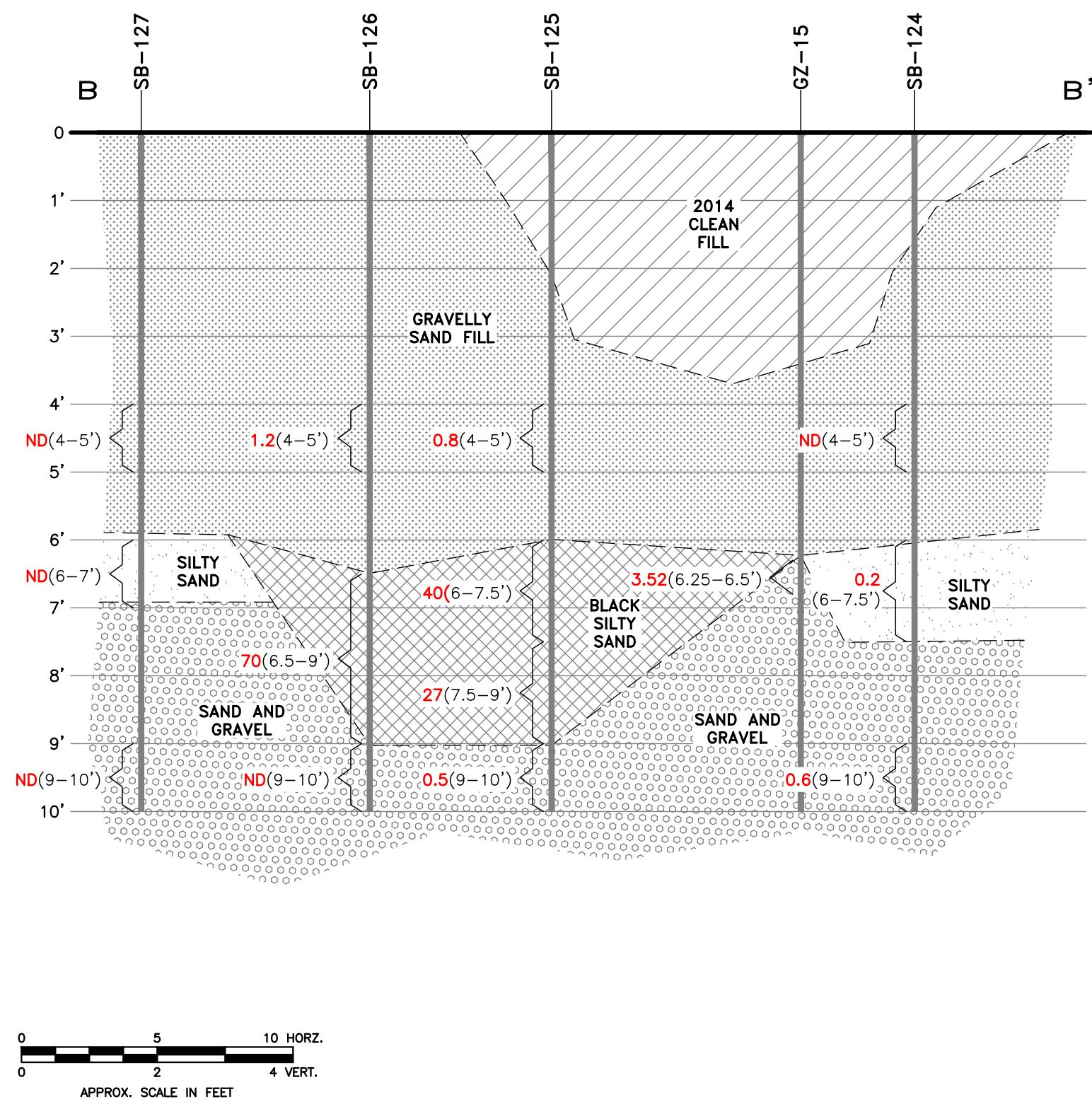
DESIGNED: MFD DRAWN: STM CHECKED: MFD APPROVED: MFD

SCALE: AS NOTED DATE: 10/20/16 FILE NO.: 7843D005 PROJECT NO.: 7843-000



GeoInsight
Practical in Nature

4A



LEGEND

SOIL BORING DESIGNATION

APPROXIMATE GROUND SURFACE

PCB CONCENTRATION (mg/kg)
AND SAMPLE DEPTH (FEET)

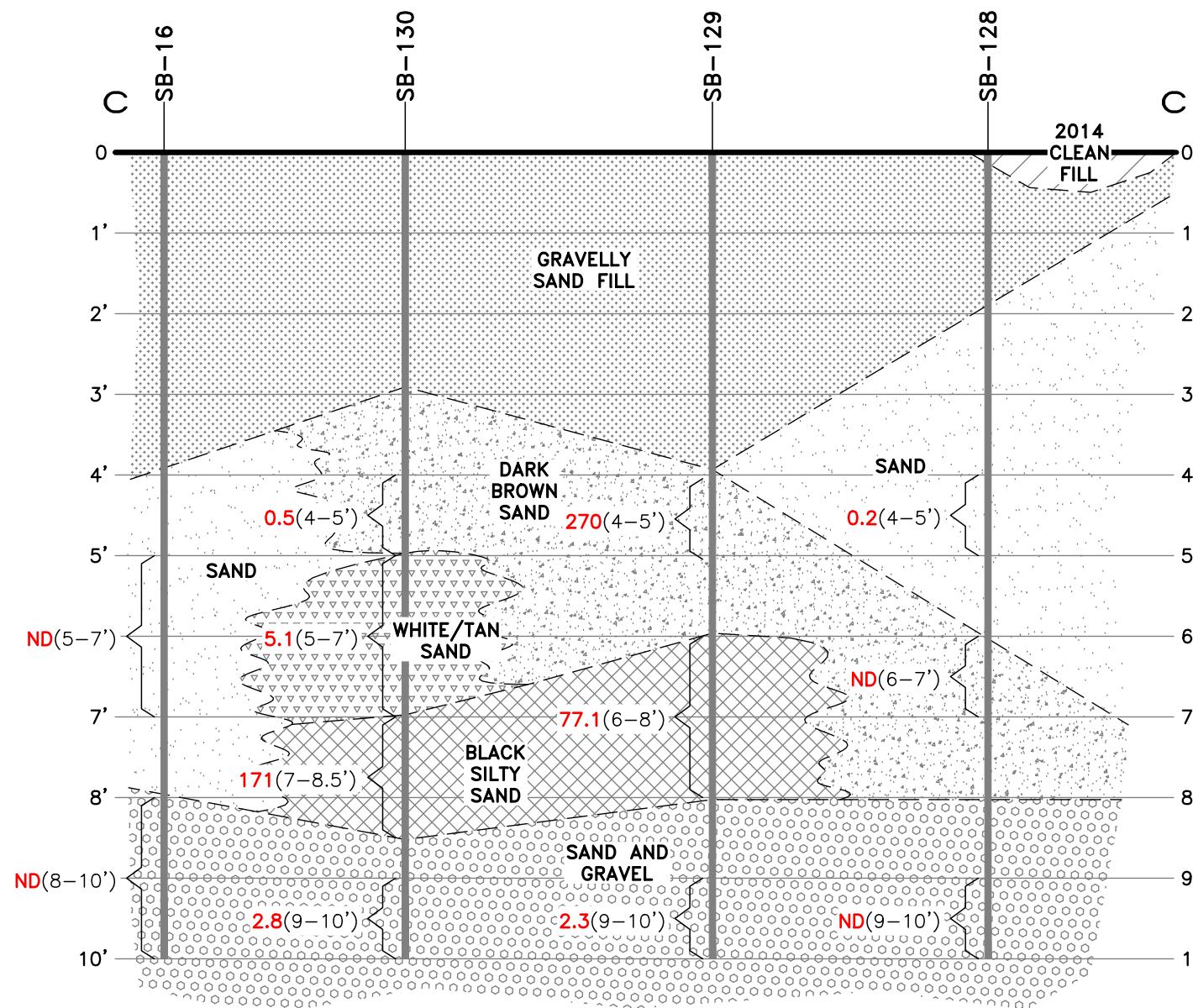
CLIENT: HITCHINER MANUFACTURING CO., INC.			
PROJECT: ELM STREET FACILITY MILFORD, NEW HAMPSHIRE			
TITLE: CROSS SECTION B-B'			
DESIGNED: MFD	DRAWN: STM	CHECKED: MFD	APPROVED: MFD
SCALE: AS NOTED	DATE: 10/20/16	FILE NO.: 7843D005	PROJECT NO.: 7843-000
FIGURE NO.: 4B			 GeoInsight Practical in Nature

LEGEND

SOIL BORING DESIGNATION

APPROXIMATE GROUND SURFACE

PCB CONCENTRATION (mg/kg)
AND SAMPLE DEPTH (FEET)



0 5 10 HORZ.
0 2 4 VERT.
APPROX. SCALE IN FEET

CLIENT:
HITCHINER MANUFACTURING CO., INC.

PROJECT:
ELM STREET FACILITY
MILFORD, NEW HAMPSHIRE

TITLE:
CROSS SECTION C-C'

DESIGNED: MFD DRAWN: STM CHECKED: MFD APPROVED: MFD

SCALE: AS NOTED DATE: 10/20/16 FILE NO.: 7843D005 PROJECT NO.: 7843-000



GeoInsight
Practical in Nature

4C

E L M S T R E E T

R.R.TRACKS

TUR

TURF

TURF

B =

3-116

8

PAVEMENT

EXISTING BUILDING

LEGEND

- GZ-2 SOIL BORING LOCATION (GZA)
 - SB-2 SOIL BORING LOCATION (GEOINSIGHT)
 - SB-100 PROPOSED SOIL BORING LOCATION

A horizontal scale bar divided into four segments by vertical tick marks. The first segment is labeled '0' at its left end. The second segment is labeled '20' at its right end. The third segment is unlabeled. The fourth segment is labeled '4' at its right end. Below the scale bar, the text 'APPROX. SCALE IN FEET' is centered.

NOTES:

1. THIS FIGURE IS BASED UPON A PLAN ENTITLED "ACTIVITY AND USE RESTRICTION PLAN (MAP 13, LOT 6) HITCHNER WAY, MILFORD, NEW HAMPSHIRE" PREPARED BY HAYNER/SWANSON, INC OF NASHUA, NEW HAMPSHIRE DATED APRIL 2015, AND A PLAN TITLED "HITCHNER MANUFACTURING CO., INC., PLANT 4 DEMOLITION, MILFORD, NH. PROPOSED GRADING AND SITE PLAN" BY GEOINSIGHT, INC. OF MANCHESTER, NEW HAMPSHIRE DATED AUGUST 2, 2013.
 2. TOPOGRAPHIC CONTOURS WERE BASED UPON AN APRIL 29, 2013 PLAN ENTITLED "PARTIAL EXISTING CONDITIONS PLAN" PREPARED BY FIELDSTONE LAND CONSULTANTS, PLLC OF MILFORD, NEW HAMPSHIRE.

CLIENT: HITCHINER MANUFACTURING CO., INC.				 GeoInsight <i>Practical in Nature</i>
PROJECT: ELM STREET FACILITY MILFORD, NEW HAMPSHIRE				
TITLE: PROPOSED EXCAVATION AREAS				
DESIGNED: MFD	DRAWN: STM	CHECKED: EDJ	APPROVED: MFD	
SCALE: 1" = 20'	DATE: 10/20/16	FILE NO.: 7843D006	PROJECT NO.: 7843-000	FIGURE NO.: 5



TABLES

TABLE 1
SUMMARY OF POLYCHLORINATED BIPHENYLS ANALYSIS
HITCHINER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

Polychlorinated Biphenyls			Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	
PCB Cleanup Standards	High Occupancy	Unconditional						1 ⁽³⁾			
		Encapsulated						10 ⁽³⁾			
	Low Occupancy	Unconditional						25 ⁽³⁾			
		Encapsulated						100 ⁽³⁾			
TSCA Regulated Waste								50 ⁽³⁾			
Sample ID	Date	Sample Depth (feet)						<i>milligrams per kilogram (mg/kg)</i>			
GZ-1 S-1	8/6/2014	3.8-4	F	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	6.47	ND(0.055)	6.47
GZ-2 S-1	8/6/2014	3.8-4.6	F	ND(0.0526)	ND(0.0526)	ND(0.0526)	ND(0.0526)	ND(0.0526)	ND(0.0526)	ND(0.0526)	ND(0.0526)
GZ-2 S-2	8/6/2014	6.3-6.7	B/S	ND(0.0744)	ND(0.0744)	ND(0.0744)	ND(0.0744)	ND(0.0744)	5.27	ND(0.0744)	5.27
GZ-3 S-1	8/6/2014	3.2-4	B/S	ND(0.0571)	ND(0.0571)	ND(0.0571)	ND(0.0571)	ND(0.0571)	ND(0.0571)	ND(0.0571)	ND(0.0571)
GZ-4 S-1	8/6/2014	6.6-8*	G	ND(0.0539)	ND(0.0539)	ND(0.0539)	ND(0.0539)	ND(0.0539)	ND(0.0539)	ND(0.0539)	ND(0.0539)
GZ-5 S-1	8/6/2014	2.2-2.6	F	ND(0.0573)	ND(0.0573)	ND(0.0573)	ND(0.0573)	ND(0.0573)	ND(0.0573)	ND(0.0573)	ND(0.0573)
GZ-5 S-2	8/6/2014	5.8-8.6	F	ND(0.0625)	ND(0.0625)	ND(0.0625)	ND(0.0625)	ND(0.0625)	ND(0.0625)	ND(0.0625)	ND(0.0625)
GZ-6 S-1	8/6/2014	6-6.3	F	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	1.68	0.604	2.284
GZ-7 S-1	8/6/2014	6.4-7.3	B/S/O	ND(2.79)	ND(2.79)	ND(2.79)	ND(2.79)	ND(2.79)	53.9	43.9	97.8
GZ-8 S-1	8/6/2014	2.6-3.2	B/S/O	ND(1.52)	ND(1.52)	ND(1.52)	ND(1.52)	ND(1.52)	28.5	5.17	33.67
GZ-9 S-1	8/6/2014	6.3-6.8	F/S	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	2.32	1.84	4.16
GZ-9 S-2	8/6/2014	6.8-7.7	B/S/O	ND(1.23)	ND(1.23)	ND(1.23)	ND(1.23)	ND(1.23)	ND(1.23)	ND(1.23)	12.6
GZ-10 S-1	8/6/2014	6.3-6.9	B/S/O	ND(0.0553)	ND(0.0553)	ND(0.0553)	ND(0.0553)	ND(0.0553)	3.24	0.41	3.65
GZ-10 S-2	8/6/2014	6.9-7.8	B/S/O/L	ND(1.43)	ND(1.43)	ND(1.43)	ND(1.43)	ND(1.43)	28.9	6.84	35.74
GZ-11 S-1	8/6/2014	1.3-3.3	B/L	ND(0.0566)	ND(0.0566)	ND(0.0566)	ND(0.0566)	ND(0.0566)	4.78	0.69	5.47
GZ-11 S-2	8/6/2014	5-5.7	B/L	ND(0.0569)	ND(0.0569)	ND(0.0569)	ND(0.0569)	0.765	ND(0.0569)	4.42	5.185
GZ-12 S-1	8/6/2014	6.8-7.5	B/L	ND(0.0604)	ND(0.0604)	ND(0.0604)	ND(0.0604)	2.48	ND(0.0604)	7.72	10.2
GZ-13 S-1	8/6/2014	7.4-8.3	F	ND(0.0572)	ND(0.0572)	ND(0.0572)	ND(0.0572)	2.32	ND(0.0572)	9.10	11.42
GZ-13 S-2	8/6/2014	8.3-9.4	B/S/O	ND(0.0584)	ND(0.0584)	ND(0.0584)	ND(0.0584)	3.31	ND(0.0584)	10.40	13.71
GZ-14 S-1	8/6/2014	6.5-7.1	F	ND(0.0539)	ND(0.0539)	ND(0.0539)	ND(0.0539)	1.84	ND(0.0539)	6.42	8.26
GZ-14 S-2	8/6/2014	7.1-8.3	B/L/O	ND(0.0646)	ND(0.0646)	ND(0.0646)	ND(0.0646)	5.77	ND(0.0646)	9.56	15.33
GZ-15 S-1	8/6/2014	6.3-6.5	F	ND(0.0598)	ND(0.0598)	ND(0.0598)	ND(0.0598)	0.415	ND(0.0598)	3.10	3.52
SB-1	10/16/2015	6-8.5	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	1.2	1.2
SB-2	10/16/2015	7.5-9	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-3	10/16/2015	6.5-9	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-4	10/16/2015	7-8	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.5	0.5	2.0
SB-5	10/16/2015	6-8	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-6	10/16/2015	6.5-8.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-7	10/16/2015	6-8	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-8	10/16/2015	6-7.5	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-9	10/16/2015	6-8	F/G	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	1.6
SB-10	10/16/2015	7-9.5	B/L	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	81	69	150
SB-10	10/16/2015	13-15	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.5	ND(0.2)	ND(0.2)
SB-11	10/16/2015	5-7	F/B	ND(8.8)	ND(8.8)	ND(8.8)	ND(8.8)	ND(8.8)	48	14	62
SB-11	10/16/2015	9.5-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	0.5	ND(0.1)	ND(0.1)
SB-12	10/16/2015	7-8	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-13	10/16/2015	4-6	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-13	10/16/2015	6-8	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-14	10/16/2015	7-9.5	B/L	ND(8.1)	ND(8.1)	ND(8.1)	ND(8.1)	ND(8.1)	170	41	211
SB-14	10/16/2015	12.5-15	G	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	6.2	ND(0.6)	6.2
SB-15	10/16/2015	5.5-9.5	B/L	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	21	61	82
SB-15	10/16/2015	12-14	G	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	2.3	1.5	3.8
SB-16	10/16/2015	5-7	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-16	10/16/2015	8-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-17	12/16/2015	4-6	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-18	12/16/2015	4.5-5.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-19	12/16/2015	4.5-6.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)

TABLE 1
SUMMARY OF POLYCHLORINATED BIPHENYLS ANALYSIS
HITCHINER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

Polychlorinated Biphenyls			Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
PCB Cleanup Standards	High Occupancy	Unconditional					1 ⁽³⁾			
		Encapsulated					10 ⁽³⁾			
	Low Occupancy	Unconditional					25 ⁽³⁾			
		Encapsulated					100 ⁽³⁾			
TSCA Regulated Waste							50 ⁽³⁾			
Sample ID	Date	Sample Depth (feet)					milligrams per kilogram (mg/kg)			
SB-20	12/16/2015	3.5-5.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-21	12/16/2015	4.5-6.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-22	12/16/2015	4-6	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-100	9/26/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-100	9/26/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-100	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-101	9/26/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-101	9/26/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-101	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-102	9/26/2016	5-6	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-102	9/26/2016	6-7	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-102	9/26/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-103	9/26/2016	4-5	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-103	9/26/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-103	9/26/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-104	9/26/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-104	9/26/2016	6-7.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-104	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-105	9/26/2016	3-4	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.2	ND(0.2)
SB-105	9/26/2016	4-6	F/G	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	4.8	ND(0.7)
SB-105	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-106	9/26/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	ND(0.2)
SB-106	9/26/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.9	ND(0.2)
SB-106	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-107	9/26/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-107	9/26/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-107	9/26/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-108	9/26/2016	3.5-4.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-108	9/26/2016	6.5-7.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1	ND(0.2)
SB-108	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	0.3	ND(0.1)
SB-109	9/26/2016	4.5-5.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-109	9/26/2016	6.5-7.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-109	9/26/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-110	9/26/2016	4.5-5.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-110	9/26/2016	6.5-7.5	F/G/B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.4	0.5
SB-110	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-111	9/26/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-111	9/26/2016	5-7	F/G/B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-111	9/26/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-112	9/26/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-112	9/26/2016	6-7	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-112	9/26/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-113	9/26/2016	4-5	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-113	9/26/2016	6-7	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)

TABLE 1
SUMMARY OF POLYCHLORINATED BIPHENYLS ANALYSIS
HITCHINER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

Polychlorinated Biphenyls				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
PCB Cleanup Standards	High Occupancy	Unconditional						1 ⁽³⁾			
		Encapsulated						10 ⁽³⁾			
	Low Occupancy	Unconditional						25 ⁽³⁾			
		Encapsulated						100 ⁽³⁾			
TSCA Regulated Waste								50 ⁽³⁾			
Sample ID	Date	Sample Depth (feet)		milligrams per kilogram (mg/kg)							
SB-113	9/26/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-114	9/26/2016	4-5	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-114	9/26/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	2.9	1.9	4.8
SB-114	9/26/2016	9-10	G	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
SB-115	9/26/2016	4.5-6	F	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-115	9/26/2016	7.5-8.5	B/L	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.9	9.7	15.6
SB-115	9/26/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.2	0.2
SB-116	9/27/2016	4-5	F	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)
SB-116	9/27/2016	6.5-9	B/L/O	ND(3.2)	ND(3.2)	ND(3.2)	ND(3.2)	ND(3.2)	4.2	14	18.2
SB-116	9/27/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-117	9/27/2016	4-5	F	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	5	2.3	7.3
SB-117	9/27/2016	6-8	B/L/O	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	2.9	18	20.9
SB-117	9/27/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-118	9/27/2016	4-5	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-118	9/27/2016	6-7	F/G	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)
SB-118	9/27/2016	9-10	G	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
SB-119	9/27/2016	4-5	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.4	ND(0.2)	1.4
SB-119	9/27/2016	6.75-8.75	B/L/O	2.8	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	2	3.3	8.1
SB-119	9/27/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-120	9/27/2016	4-5	F/G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-120	9/27/2016	5-6.25	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-120	9/27/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-121	9/27/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-121	9/27/2016	5.5-8.5	B/L/O	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	1.3	3.7	5
SB-121	9/27/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-122	9/27/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.2	ND(0.2)	0.2
SB-122	9/27/2016	6-7.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-122	9/27/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.4	ND(0.2)	0.4
SB-123	9/27/2016	4-5	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.7	0.3	1
SB-123	9/27/2016	6.25-7.75	B/L/O	8.9	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	21	25	54.9
SB-123	9/27/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-124	9/27/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-124	9/27/2016	6-7.5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.2	ND(0.2)	0.2
SB-124	9/27/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.6	ND(0.2)	0.6
SB-125	9/27/2016	4-5	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.8	ND(0.2)	0.8
SB-125	9/27/2016	6-7.5	B/L/O	2.3	ND(1.6)	ND(1.6)	ND(1.6)	ND(1.6)	6.7	31	40
SB-125	9/27/2016	7.5-9	B/L/O	8.5	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	5.5	13	27
SB-125	9/27/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	0.2	0.3	0.5
SB-126	9/27/2016	4-5	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.8	0.4	1.2
SB-126	9/27/2016	6.5-9	B/L/O	15	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	13	42	70
SB-126	9/27/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-127	9/27/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-127	9/27/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-127	9/27/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-128	9/27/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.2	ND(0.2)	0.2
SB-128	9/27/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-128	9/27/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
SB-129	9/28/2016	4-5	F	ND(14)	ND(14)	ND(14)	ND(14)	ND(14)	270	ND(14)	270

TABLE 1
SUMMARY OF POLYCHLORINATED BIPHENYLS ANALYSIS
HITCHINER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

Polychlorinated Biphenyls				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
PCB Cleanup Standards	High Occupancy	Unconditional						1 ⁽³⁾			
		Encapsulated						10 ⁽³⁾			
	Low Occupancy	Unconditional						25 ⁽³⁾			
		Encapsulated						100 ⁽³⁾			
TSCA Regulated Waste								50 ⁽³⁾			
Sample ID	Date	Sample Depth (feet)		milligrams per kilogram (mg/kg)							
SB-129	9/28/2016	6-8	B/O	8.1	ND(2)	ND(2)	ND(2)	ND(2)	31	38	77.1
SB-129	9/28/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	0.9	1.4	2.3
SB-130	9/28/2016	4-5	F	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.5	ND(0.2)	0.5
SB-130	9/28/2016	5-7	F	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	5.1	ND(0.8)	5.1
SB-130	9/28/2016	7-8.5	B/L/O	16	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	67	88	171
SB-130	9/28/2016	9-10	G	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	2.5	0.3	2.8
SB-131	9/28/2016	4-5	F	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	4	1.1	5.1
SB-131	9/28/2016	7-8.5	B/L/O	25	ND(11)	ND(11)	ND(11)	ND(11)	36	190	251
SB-131	9/28/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.8	1.2	2
SB-132	9/28/2016	4-5	F/G	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	9.5	25	34.5
SB-132	9/28/2016	6-7.25	B/F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	0.3
SB-132	9/28/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-133	9/28/2016	4-5	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-133	9/28/2016	6-7	F/G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
SB-133	9/28/2016	9-10	G	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)

NOTES:

1. PCB = polychlorinated biphenyls; TSCA = Toxic Substances Control Act; ND(x) = compound not detected above laboratory practical quantitation limit (PQL) noted in parentheses.
2. PCB Cleanup Standards are listed in 40 Code of Federal Regulations (CFR) §761.61 for bulk PCB remediation waste 40 CFR § 761.61 (a)(4)(i) and porous surfaces 40 CFR § 761.61 (a)(4)(iii)
3. PCB Cleanup Standards are for total PCBs.
4. Concentrations in bold indicate an exceedance of the most stringent PCB Cleanup Standard (1 mg/kg). Shading indicates a TSCA Regulated waste.
5. NA = data not available.
6. Aroclor 1262 and Aroclor 1268 were analyzed on 8/6/2014 by the previous consultant and each sample was non-detect.
7. Samples GZ-1 S-1 through GZ-15 S-1 were analyzed by a previous consultant.
8. F = Fill.
9. B = Basin.
10. S = Stained.
11. G = Glacial Fluvial.
12. O = Odor.
13. L = Laminations (pink/dark gray).

TABLE 2
EXCAVATION PLAN
HITCHINER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

AREA	PLAN	SUPPORTING DATA
A	Excavate 0- 10 ft bgs for disposal as \geq 50 ppm remedial waste	Of 36 samples collected: 8 results \geq 50 ppm; 7 > 50 ppm results from black silty unit and at depths from 4-9.5 ft bgs; of 11 samples from underlying sand and gravel all <50 ppm.
	Excavate 10- 14 ft bgs for disposal as < 50 ppm remedial waste	Of 11 samples collected below 9.5 ft: no results \geq 50 ppm; black silty unit not identified below 10 ft.
B	Excavate 0-3 ft bgs and stockpile for on-site reuse as clean fill	Of 19 samples collected above 5 ft: 14 results ND or \leq 1 ppm; 3 results >1 one but collected at depths \geq 4 ft; 2 samples collected from highly distinguishable black silty sand; 0-3 ft is distinguishable gravelly sand clean fill, except at GZ-8 and GZ-11 where black silty sand identified in top 3 ft. Black silty sand will not be excavated during clean fill excavation phase.
B-1	Excavate 3- 10 ft bgs for disposal as \geq 50 ppm remedial waste	Of 24 samples collected: 2 results > 50 ppm; both > 50 ppm results from black, highly silty unit and at depths from 6.25-9 ft bgs; of 5 samples from underlying sand and gravel all <1 ppm.
B-2	Excavate 3- 9 ft bgs for disposal as \geq 50 ppm remedial waste	Of 15 samples collected: 1 result \geq 50 ppm; the > 50 ppm results from black silty unit and at depths from 6.4-7.25 ft bgs; of 4 samples from underlying sand and gravel at 9-10 ft bgs all <1 ppm.
B (minus B-1 and A-2)	Excavate 3-9 ft bgs for disposal as < 50 ppm remedial waste	Of 52 samples collected: no results \geq 50 ppm; black silty unit not identified below 10 ft; no results >1 ppm below 9 ft bgs.
C	Excavate 0-3 ft bgs and stockpile for on-site reuse as clean fill	Of 8 samples collected above 5 ft: 7 results ND or \leq 1 ppm; 1 results >1 one but collected at depths \geq 4 ft; 0-3 ft is distinguishable gravelly sand clean fill.
	Excavate 3-9 ft bgs for disposal as < 50 ppm remedial waste	Of 28 samples collected: no results \geq 50 ppm; no results >1 ppm below 9 ft bgs.
D	Excavate 0-4 ft bgs and stockpile for on-site reuse as clean fill	Of 4 samples collected above 5 ft: all results ND.
	Excavate 4-9 ft bgs for disposal as < 50 ppm remedial waste	Of 13 samples collected: all results < 50 ppm, 12 results ND; all 4 samples collected at 9-10 ft bgs ND.

TABLE 3
SUMMARY OF POLYCHLORINATED BIPHENYLS ANALYSIS BY EXCAVATION AREA
HITCHINER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

Polychlorinated Biphenyls			Total PCBs
PCB Cleanup Standards	High Occupancy	Unconditional	1 ⁽³⁾
		Encapsulated	10 ⁽³⁾
	Low Occupancy	Unconditional	25 ⁽³⁾
		Encapsulated	100 ⁽³⁾
		TSCA Regulated Waste	50 ⁽³⁾
Sample ID	Date	Sample Depth (feet)	ns per kilogram
EXCAVATION AREA A			
GZ-10 S-1	8/6/2014	6.3-6.9	B/O 3.65
GZ-10 S-2	8/6/2014	6.9-7.8	B/O/L 35.74
GZ-11 S-1	8/6/2014	1.3-3.3	B 5.47
GZ-11 S-2	8/6/2014	5-5.7	B 5.185
SB-9	10/16/2015	6-8	F/G 1.6
SB-10	10/16/2015	7-9.5	B/L 150
SB-10	10/16/2015	13-15	G ND(0.2)
SB-11	10/16/2015	5-7	F/B 62
SB-11	10/16/2015	9.5-10	G ND(0.1)
SB-13	10/16/2015	4-6	F/G ND(0.2)
SB-13	10/16/2015	6-8	F/G ND(0.2)
SB-14	10/16/2015	7-9.5	B/L 211
SB-14	10/16/2015	12.5-15	G 6.2
SB-15	10/16/2015	5.5-9.5	B/L 82
SB-15	10/16/2015	12-14	G 3.8
SB-16	10/16/2015	5-7	F/G ND(0.1)
SB-16	10/16/2015	8-10	G ND(0.2)
SB-128	9/27/2016	4-5	F/G 0.2
SB-128	9/27/2016	6-7	F/G ND(0.2)
SB-128	9/27/2016	9-10	G ND(0.1)
SB-129	9/28/2016	4-5	F 270
SB-129	9/28/2016	6-8	B/O 77.1
SB-129	9/28/2016	9-10	G 2.3
SB-130	9/28/2016	4-5	F 0.5
SB-130	9/28/2016	5-7	F 5.1
SB-130	9/28/2016	7-8.5	B/L/O 171
SB-130	9/28/2016	9-10	G 2.8
SB-131	9/28/2016	4-5	F 5.1
SB-131	9/28/2016	7-8.5	B/L/O 251
SB-131	9/28/2016	9-10	G 2
SB-132	9/28/2016	4-5	F/G 34.5
SB-132	9/28/2016	6-7.25	B/F/G 0.3
SB-132	9/28/2016	9-10	G ND(0.2)
SB-133	9/28/2016	4-5	F/G ND(0.2)
SB-133	9/28/2016	6-7	F/G ND(0.2)
SB-133	9/28/2016	9-10	G ND(0.2)
EXCAVATION AREA B, Surface to 3 Feet BSG			
GZ-8 S-1	8/6/2014	2.6-3.2*	B/S/O 33.67
GZ-11 S-1	8/6/2014	1.3-3.3*	B/L 5.47
SB-111	9/26/2016	4-5	F/G ND(0.2)
SB-112	9/26/2016	4-5	F/G ND(0.2)
SB-113	9/26/2016	4-5	F ND(0.2)
SB-114	9/26/2016	4-5	F/G ND(0.1)
SB-115	9/26/2016	4.5-6	F ND(0.1)
SB-116	9/27/2016	4-5	F ND(0.9)
SB-117	9/27/2016	4-5	F 7.3
SB-118	9/27/2016	4-5	F/G ND(0.1)
SB-119	9/27/2016	4-5	F 1.4
SB-120	9/27/2016	4-5	F/G ND(0.1)
SB-121	9/27/2016	4-5	F/G ND(0.2)
SB-122	9/27/2016	4-5	F/G 0.2
SB-123	9/27/2016	4-5	F 1
SB-124	9/27/2016	4-5	F/G ND(0.2)
SB-125	9/27/2016	4-5	F 0.8
SB-126	9/27/2016	4-5	F 1.2
SB-127	9/27/2016	4-5	F/G ND(0.2)
EXCAVATION AREA B, > 3 Feet BSG (Minus Areas B-1 and B-2)			
GZ-6 S-1	8/6/2014	6-6.3	F 2.284
GZ-9 S-1	8/6/2014	6.3-6.8	F/S 4.16
GZ-9 S-2	8/6/2014	6.8-7.7	B/S/O 12.6
GZ-10 S-1	8/6/2014	6.3-6.9	B/O 3.65
GZ-10 S-2	8/6/2014	6.9-7.8	B/O/L 35.74
GZ-11 S-2	8/6/2014	5-5.7	B 5.185
GZ-12 S-1	8/6/2014	6.8-7.5	B 10.2
GZ-14 S-1	8/6/2014	6.5-7.1	F 8.26
GZ-14 S-2	8/6/2014	7.1-8.3	B/L/O 15.33
GZ-15 S-1	8/6/2014	6.3-6.5	F 3.52
SB-9	10/16/2015	6-8	F/G 1.6
SB-111	9/26/2016	4-5	F/G ND(0.2)
SB-111	9/26/2016	5-7	F/G/B ND(0.2)
SB-111	9/26/2016	9-10	G ND(0.2)
SB-112	9/26/2016	4-5	F/G ND(0.2)
SB-112	9/26/2016	6-7	G ND(0.2)

TABLE 3
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HITCHNER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

Polychlorinated Biphenyls				Total PCBs
PCB Cleanup Standards	High Occupancy	Unconditional		1 ⁽³⁾
		Encapsulated		10 ⁽³⁾
	Low Occupancy	Unconditional		25 ⁽³⁾
		Encapsulated		100 ⁽³⁾
TSCA Regulated Waste				50 ⁽³⁾
Sample ID	Date	Sample Depth (feet)	as per kilogram	
SB-112	9/26/2016	9-10	G	ND(0.2)
SB-113	9/26/2016	4-5	F	ND(0.2)
SB-113	9/26/2016	6-7	F/G	ND(0.1)
SB-113	9/26/2016	9-10	G	ND(0.1)
SB-114	9/26/2016	4-5	F/G	ND(0.1)
SB-114	9/26/2016	6-7	F/G	4.8
SB-114	9/26/2016	9-10	G	ND(0.7)
SB-113	9/26/2016	4-5	F	ND(0.2)
SB-113	9/26/2016	6-7	F/G	ND(0.1)
SB-113	9/26/2016	9-10	G	ND(0.1)
SB-114	9/26/2016	4-5	F/G	ND(0.1)
SB-114	9/26/2016	6-7	F/G	4.8
SB-114	9/26/2016	9-10	G	ND(0.7)
SB-117	9/27/2016	4-5	F	7.3
SB-117	9/27/2016	6-8	B/L/O	20.9
SB-117	9/27/2016	9-10	G	ND(0.1)
SB-118	9/27/2016	4-5	F/G	ND(0.1)
SB-118	9/27/2016	6-7	F/G	ND(0.9)
SB-118	9/27/2016	9-10	G	ND(0.7)
SB-119	9/27/2016	4-5	F	1.4
SB-119	9/27/2016	6.75-8.75	B/L/O	8.1
SB-119	9/27/2016	9-10	G	ND(0.2)
SB-120	9/27/2016	4-5	F/G	ND(0.1)
SB-120	9/27/2016	5-6.25	F/G	ND(0.2)
SB-120	9/27/2016	9-10	G	ND(0.1)
SB-121	9/27/2016	4-5	F/G	ND(0.2)
SB-121	9/27/2016	5.5-8.5	B/L/O	5
SB-121	9/27/2016	9-10	G	ND(0.2)
SB-122	9/27/2016	4-5	F/G	0.2
SB-122	9/27/2016	6-7.5	F/G	ND(0.2)
SB-122	9/27/2016	9-10	G	0.4
SB-124	9/27/2016	4-5	F/G	ND(0.2)
SB-124	9/27/2016	6-7.5	F/G	0.2
SB-124	9/27/2016	9-10	G	0.6
SB-125	9/27/2016	4-5	F	0.8
SB-125	9/27/2016	6-7.5	B/L/O	40
SB-125	9/27/2016	7.5-9	B/L/O	27
SB-125	9/27/2016	9-10	G	0.5
EXCAVATION AREA BI				
GZ-10 S-1	8/6/2014	6.3-6.9	B/O	3.65
GZ-10 S-2	8/6/2014	6.9-7.8	B/O/L	35.74
GZ-11 S-2	8/6/2014	5-5.7	B/L	5.185
GZ-13 S-1	8/6/2014	7.4-8.3	B	11.42
GZ-13 S-2	8/6/2014	8.3-9.4	B/S/O	13.71
GZ-14 S-1	8/6/2014	6.5-7.1	F	8.26
GZ-14 S-2	8/6/2014	7.1-8.3	B/L/O	15.33
SB-121	9/27/2016	4-5	F/G	ND(0.2)
SB-121	9/27/2016	5.5-8.5	B/L/O	5
SB-121	9/27/2016	9-10	G	ND(0.2)
SB-123	9/27/2016	4-5	F	1
SB-123	9/27/2016	6.25-7.75	B/L/O	54.9
SB-123	9/27/2016	9-10	G	ND(0.1)
SB-125	9/27/2016	4-5	F	0.8
SB-125	9/27/2016	6-7.5	B/L/O	40
SB-125	9/27/2016	7.5-9	B/L/O	27
SB-125	9/27/2016	9-10	G	0.5
SB-126	9/27/2016	4-5	F	1.2
SB-126	9/27/2016	6.5-9	B/L/O	70
SB-126	9/27/2016	9-10	G	ND(0.2)
SB-127	9/27/2016	4-5	F/G	ND(0.2)
SB-127	9/27/2016	6-7	F/G	ND(0.2)
SB-127	9/27/2016	9-10	G	ND(0.1)
EXCAVATION AREA B2				
GZ-6 S-1	8/6/2014	6-6.3	F	2.284
GZ-7 S-1	8/6/2014	6.4-7.3	B/S	97.8
SB-111	9/26/2016	4-5	F/G	ND(0.2)
SB-111	9/26/2016	5-7	F/G/B	ND(0.2)
SB-111	9/26/2016	9-10	G	ND(0.2)
SB-112	9/26/2016	4-5	F/G	ND(0.2)
SB-112	9/26/2016	6-7	G	ND(0.2)
SB-112	9/26/2016	9-10	G	ND(0.2)
SB-115	9/26/2016	4.5-6	F	ND(0.1)
SB-115	9/26/2016	7.5-8.5	B/L	15.6

TABLE 3
SUMMARY OF POLYCHLORINATED BIPHENYLS ANALYSIS BY EXCAVATION AREA
HITCHNER MANUFACTURING CO., INC.
594 ELM STREET
MILFORD, NEW HAMPSHIRE

Polychlorinated Biphenyls			Total PCBs
PCB Cleanup Standards	High Occupancy	Unconditional	1 ⁽³⁾
		Encapsulated	10 ⁽³⁾
	Low Occupancy	Unconditional	25 ⁽³⁾
		Encapsulated	100 ⁽³⁾
		TSCA Regulated Waste	50 ⁽³⁾
Sample ID	Date	Sample Depth (feet)	ns per kilogram
SB-115	9/26/2016	9-10	G 0.2
SB-116	9/27/2016	4-5	F ND(0.9)
SB-116	9/27/2016	6.5-9	B/L/O 18.2
SB-116	9/27/2016	9-10	G ND(0.2)
EXCAVATION AREA C			
GZ-1 S-1	8/6/2014	3.8-4	F 6.47
GZ-2 S-1	8/6/2014	3.8-4.6	F ND(0.0526)
GZ-2 S-2	8/6/2014	6.3-6.7	B 5.27
GZ-3 S-1	8/6/2014	3.2-4	S ND(0.0571)
GZ-4 S-1	8/6/2014	6.6-8*	G ND(0.0539)
SB-3	10/16/2015	6.5-9	F/G ND(0.1)
SB-4	10/16/2015	7-8	F/G 2.0
SB-100	9/26/2016	4-5	F/G ND(0.2)
SB-100	9/26/2016	6-7	F/G ND(0.2)
SB-100	9/26/2016	9-10	G ND(0.1)
SB-105	9/26/2016	3-4	F/G 0.2
SB-105	9/26/2016	4-6	F/G 4.8
SB-105	9/26/2016	9-10	G ND(0.1)
SB-106	9/26/2016	4-5	F/G 0.3
SB-106	9/26/2016	6-7	F/G 0.9
SB-106	9/26/2016	9-10	G ND(0.1)
SB-107	9/26/2016	4-5	F/G ND(0.2)
SB-107	9/26/2016	6-7	F/G ND(0.2)
SB-107	9/26/2016	9-10	G ND(0.2)
SB-108	9/26/2016	3.5-4.5	F/G ND(0.2)
SB-108	9/26/2016	6.5-7.5	F/G 1
SB-108	9/26/2016	9-10	G 0.3
SB-109	9/26/2016	4.5-5.5	F/G ND(0.2)
SB-109	9/26/2016	6.5-7.5	F/G ND(0.2)
SB-109	9/26/2016	9-10	G ND(0.2)
SB-110	9/26/2016	4.5-5.5	F/G ND(0.2)
SB-110	9/26/2016	6.5-7.5	F/G/B 1.9
SB-110	9/26/2016	9-10	G ND(0.1)
EXCAVATION AREA D			
SB-1	10/16/2015	6-8.5	F/G 1.2
SB-101	9/26/2016	4-5	F/G ND(0.2)
SB-101	9/26/2016	6-7	F/G ND(0.2)
SB-101	9/26/2016	9-10	G ND(0.1)
SB-102	9/26/2016	5-6	F ND(0.2)
SB-102	9/26/2016	6-7	F ND(0.2)
SB-102	9/26/2016	9-10	G ND(0.2)
SB-103	9/26/2016	4-5	F/G ND(0.1)
SB-103	9/26/2016	6-7	F/G ND(0.2)
SB-103	9/26/2016	9-10	G ND(0.2)
SB-104	9/26/2016	4-5	F/G ND(0.2)
SB-104	9/26/2016	6-7.5	F/G ND(0.2)
SB-104	9/26/2016	9-10	G ND(0.1)

NOTES:

1. PCB = polychlorinated biphenyls; TSCA = Toxic Substances Control Act; ND= quantitation limit (POL) noted in parentheses.
2. PCB Cleanup Standards are listed in 40 Code of Federal Regulations (CFR) §77 and porous surfaces 40 CFR § 761.61 (a)(4)(iii)
3. PCB Cleanup Standards are for total PCBs.
4. Concentrations in bold indicate an exceedance of the most stringent PCB Clean
5. NA = data not available.
6. Aroclor 1262 and Aroclor 1268 were analyzed on 8/6/2014 by the previous con
7. Samples GZ-1 S-1 through GZ-15 S-1 were analyzed by a previous consultant.
8. F = Fill.
9. B = Basin.
10. S = Stained.
11. G = Glacial Fluvial.
12. O = Odor.
13. L = Laminations (pink/dark gray).



APPENDIX A
SOIL BORING LOGS

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-1 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing				Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:				
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push				Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:				Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
1	S-1	0-5	60	48	*ND	S-1: 0 - 8 inches: Concrete removed. 0 - 12 inches: Crushed concrete (concrete dust). 12 - 27 inches: Brown, fine to coarse SAND, trace Silt. Fill. 27 - 45.5 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill. 45.5 - 48 inches: Brown, fine to medium SAND, little Silt. Original Fill. (Sampled at 1045).				1		
2										2		
3												
4												
5	S-2	5-10	60	40	*ND	S-2: 0 - 3 inches: Light brown, fine to medium SAND, trace Silt. Collapsed Fill (clean). 3 - 18 inches: Brown, fine to medium SAND, trace Silt, same as bottom 2.5 feet above. Original Fill. 18 - 25 inches: Gray, GRAVEL, some fine to coarse Sand (Cobble). 25 - 40 inches: Brown, GRAVEL and fine to coarse SAND, trace Silt.						
6												
7												
8												
9												
10												
11						End of exploration at 10 feet.						
12												
13												
14												
15												
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).											
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.											GZ-1	

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-10 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing				Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:				
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push				Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:				Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	No.	Depth (ft.)	Pen. (in)	Rec. (in)	Field Test Data							
1	S-1	0-5	60	48	*ND	S-1: Top 4 inches: Concrete dust. 4 - 13 inches: Brown, fine to coarse SAND, trace Silt. Fill. 13 - 48 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill.				1		
2										2		
3												
4												
5	S-2	5-10	60	43	*ND	S-2: 0 - 15 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill. 15 - 16 inches: Asphalt. 16 - 22.5 inches: Gray, fine to medium SAND (castings), trace Silt. Light odor. Sampled at 1540. 22.5 - 33 inches: Gray, Clayey SILT with pink and dark gray seams/layers, some fine Sand. Stained. Odor. Sampled at 1545. 33 - 44: Brown to gray, GRAVEL and fine to coarse Sand.						
6												
7												
8												
9												
10						End of exploration at 10 feet.						
11												
12												
13												
14												
15												
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).											
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										GZ-10		

GEOPROBE LOG															
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-11 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:						
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:						
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)								
							Date		Time		Water Depth	Stab. Time			
Depth (ft)	Sample				Sample Description						Remark	Elev. (ft.)	Stratum Description	Depth (ft.)	
	No.	Depth (ft.)	Pen. (in)	Rec. (in)	Field Test Data	Modified Burmister									
1	S-1	0-5	60	40	*ND	S-1: Top 3 inches: Concrete dust. 3 - 16 inches: Brown, fine to coarse SAND, trace Silt. Fill. 16 - 40 inches: Gray, (Castings), fine to medium SAND, trace Silt. Sampled at 1600.						1			
2	S-2	5-10	60	37	*ND	S-2: 0 - 8 inches: Gray, (Castings), fine to medium SAND, trace Silt. Sampled at 1605. 8 - 24 inches: Gray, Clayey SILT, some fine to medium SAND, some pink and dark gray seams. Odor. Moist to wet. Stained. 24 - 37 inches: Brown to gray, GRAVEL and fine to coarse Sand, trace Silt.									
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. _____ values represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background.														
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.												GZ-11			

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-12 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:			
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)					
							Date	Time	Water Depth	Stab. Time		
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	No.	Depth (ft.)	Pen. (in)	Rec. (in)	Field Test Data							
1	S-1	0-5	60	41	*ND	S-1: Top 3 inches: Concrete dust. 3 - 14 inches: Brown, fine to coarse SAND, trace Silt. Fill. 14 - 41 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill.				1		
2										2		
3												
4												
5	S-2	5-10	60	56	*ND	S-2: 0 - 21 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill. 21 - 30 inches: Gray, fine to medium SAND, trace Silt (castings). Sampled at 1615. 30 - 56 inches: Gray to brown, GRAVEL and fine to coarse Sand, trace Silt. Wet at 45 inches.						
6												
7												
8												
9												
10												
11						End of exploration at 10 feet.						
12												
13												
14												
15												
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).											
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										GZ-12		

GEOPROBE LOG													
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-13 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:				
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing				Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:					
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push				Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:				Groundwater Depth (ft.)					
								Date	Time	Water Depth	Stab. Time		
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)	
1	S-1	0-5	60	45	*ND	S-1: Top 3 inches: Concrete dust. 3 - 14 inches: Brown, fine to coarse SAND, trace Silt. Fill. 14 - 45 inches: Light brown, fine to medium SAND, trace Silt. Clean fill.				1 2			
2	S-2	5-10	60	60	*ND	S-2: 0 - 29 inches: Light brown, fine to medium SAND, trace Silt. Clean fill. 29 - 39 inches: Gray, fine to medium SAND, trace Silt. Sampled at 1630. 39 - 53 inches: Gray, Clayey SILT, some fine to medium Sand. Stained odor. Moist to wet. Sampled at 1635. 53 - 60 inches: Gray, GRAVEL and fine to coarse Sand, trace Silt. Wet at 42 inches.							
3						End of exploration at 10 feet.							
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).												
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.											GZ-13		

GEOPROBE LOG																				
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-14 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:											
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:											
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)													
							Date		Time		Water Depth		Stab. Time							
Depth (ft)	Sample				Sample Description Modified Burmister						Remark	Elev. (ft.)	Stratum Description	Depth (ft.)						
	No.	Depth (ft.)	Pen. (in)	Rec. (in)	Field Test Data															
S-1	0-5	60	46	*ND		S-1: Top 5 inches: Concrete dust. 5 - 15 inches: Brown, fine to coarse SAND, trace Silt. Fill. 15 - 46 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill.						1 2								
1	2	3	4			5	6	7	8	9	10				11	12	13	14	15	
S-2	5-10	60	44	*ND		S-2: 0 - 18 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill. 18 - 25 inches: Gray, fine to medium SAND, trace Silt. Sampled at 1710. 25 - 39 inches: Gray, Clayey SILT, little fine to medium Sand. Odor. Some dark and light gray lenses/seams. Moist to wet. Sampled at 1715. 39 - 44: Brown-gray, GRAVEL and fine to coarse Sand, trace Silt. Wet at 30 inches.														
11	12	13	14			15	End of exploration at 10 feet.													
REMARKS		1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).																		
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.												GZ-14								

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-15 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing				Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:				
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push				Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:				Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	No.	Depth (ft.)	Pen. (in)	Rec. (in)	Field Test Data							
1	S-1	0-5	60	48	*ND	S-1: Top 6 inches: Asphalt. 6 - 18 inches: Brown, fine to coarse SAND, trace Silt. Fill. 18 - 48 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill.				1		
2										2		
3												
4												
5	S-2	5-10	60	54	*ND	S-2: 0 - 15 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill. 15 - 18.5 inches: Dark brown, fine to medium SAND, trace Silt. Sampled at 1650. 18.5 - 31 inches: Gray, fine to medium SAND and Gravel. Possible concrete or castings. 31 - 54 inches: Brown, GRAVEL and fine to coarse SAND, trace Silt. Wet at 42 inches.						
6												
7												
8												
9												
10												
11						End of exploration at 10 feet.						
12												
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14												
15												
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).											
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										GZ-15		

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-2 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing				Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:				
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push				Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:				Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
1	S-1	0-5	60	55	*ND	S-1: 0 - 12 inches: Brown-gray, fine to coarse SAND, trace Silt. 12 - 32 inches: Light brown, fine to medium SAND, trace Silt. Clean 32 - 40 inches: Brown-gray, fine to medium SAND, trace Silt. Reworked? 40 - 46 inches: Light brown, fine to medium SAND, trace Silt. Clean. 46 - 55 inches: Gray, medium SAND, trace Silt. Unnat. Fill. Original Fill? Sampled at 1150.				1 2		
2	S-2	5-10	60	36	*ND	S-2: 0 - 7 inches: Collapse. 7 - 12 inches: Gray, medium SAND, trace Silt. Unnat. Fill. Orig. Fill? 12 - 20 inches: Dark brown, fine SAND, little Clayey Silt. Possibly stained. Sampled at 1200. 20 - 36 inches: Gray to brown, GRAVEL and fine to coarse SAND, trace Silt. Wet at 22 inches.						
3						End of exploration at 10 feet.						
4												
5												
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12												
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14												
15												
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).											
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.											GZ-2	

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-3 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:			
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)					
							Date		Time		Water Depth	
Depth (ft) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Sample No. Depth (ft.) Pen. (in) Rec. (in) Field Test Data				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	s-1	0-5	60	48	*ND	s-1: Top 24 inches: Brown, fine to medium SAND, trace Silt. 24 - 38 inches: Darker brown, fine to coarse SAND, little Silt. Possibly stained. Sampled 1100. 38 - 48 inches: Brown, fine to medium SAND, trace Silt. Looks cleaner.						
										1		
										2		
REMARKS 1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).												
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										GZ-3		

GEOPROBE LOG															
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-4 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:						
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:						
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)								
							Date		Time		Water Depth		Stab. Time		
Depth (ft)	Sample				Sample Description						Remark	Elev. (ft.)	Stratum Description	Depth (ft.)	
	No.	Depth (ft.)	Pen. (in)	Rec. (in)	Field Test Data	Modified Burmister									
1	S-1	0-5	60	40	*ND	S-1: Top 8 inches: Concrete. Top 2 inches: Concrete collapsed. 2 - 11 inches: Brown, fine to medium SAND, trace Silt. Fill. 11 - 40 inches: Light brown, fine to medium SAND, trace Silt. Clean.						1			
2												2			
3															
4															
5	S-2	5-10	60	36	*ND	S-2: 0 - 14 inches: Light brown, fine to medium SAND, trace Silt. Clean. 14 - 19 inches: Gray, fine to medium SAND, little Silt. Unsuitable Fill. 19 - 36 inches: Brown to gray, GRAVEL and fine to coarse Sand. Wet and 26 inches fro top.									
6															
7															
8															
9															
10															
11						End of exploration at 10 feet.									
12															
13															
14															
15															
REMARKS		1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).													
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.												GZ-4			

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-5 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing				Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:				
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push				Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:				Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
1	S-1	0-5	60	31	*ND	S-1: Top 8 inches: Concrete. From top 0 - 4 inches: Brown, fine to medium SAND, trace Silt. 4 - 6.5 inches: Gray, GRAVEL and fine to coarse SAND. 6.5 - 16 inches: Brown, fine to coarse SAND, little Gravel, little Silt. 16 - 26 inches: Gray to brown, GRAVEL and fine to coarse SAND. 26 - 31 inches: Gray, fine to medium SAND, little Clayey Silt. Undesirable Fill? Sampled 1330.				1 2		
2	S-2	5-10	60	43	*ND	S-2: Top 0 - 10 inches: Gray, fine to medium SAND, little Clayey Silt. Undesirable Fill? Moist. Sampled 1335. 10 - 43 inches: Brown to gray, GRAVEL and fine to coarse SAND, trace Silt. Wet at 28 inches.						
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4												
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12												
13												
14												
15												
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).											
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.											GZ-5	

GEOPROBE LOG														
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-6 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:					
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:					
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)							
							Date		Time		Water Depth		Stab. Time	
Depth (ft)	Sample				Sample Description Modified Burmister						Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	No.	Depth (ft.)	Pen. (in)	Rec. (in)										
1	S-1	0-5	60	45	*ND	S-1: Top 8 inches: Concrete. 0 - 13 inches: Gray, fine to medium SAND, trace Silt. Fill. 13 - 45 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill.						1		
2												2		
3														
4														
5	S-2	5-10	60	46	*ND	S-2: 0 - 12 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill. 12 - 16 inches: Gray, fine to medium SAND, little Silt. Undesirable Fill? Sampled 1400. 12 - 24 inches: Brown, fine to medium SAND, trace Silt. Turning to gray to brown, GRAVEL and fine to coarse Sand at 24 to 46 inches: Wet at 37 inches?								
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7														
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10														
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12														
13														
14														
15														
REMARKS		1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).												
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.												GZ-6		

GEOPROBE LOG														
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-7 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:					
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:					
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)							
							Date		Time		Water Depth		Stab. Time	
Depth (ft)	Sample				Sample Description						Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	No.	Depth (ft.)	Pen. (in)	Rec. (in)	Field Test Data	Modified Burmister								
S-1	0-5	60	47	*ND	S-1: Top 7 inches: Concrete. 7 - 14 inches: Brown, fine to coarse SAND, trace Silt. Fill. 14 - 47 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill.						1			
1											2			
S-2	5-10	60	48	*ND	S-2: 0 - 17 inches: Light brown, fine to medium SAND, trace Silt. Clean Fill. 17 - 27 inches: Gray, Clayey SILT, little fine to medium Sand, Possibly stained> Moist to wet. Odor. Sampled 1420. 27 - 48 inches: Gray, GRAVEL and Fine to coarse Sand, trace Silt. Wet at 35 inches.									
2														
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10														
11														
12														
13														
14														
15														
REMARKS		1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).												
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.												GZ-7		

GEOPROBE LOG												
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-8 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:			
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing					Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:			
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push					Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:		Groundwater Depth (ft.)					
							Date	Time	Water Depth	Stab. Time		
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
1	S-1	0-5	60	38	*ND	S-1: Top 2 inches: Concrete. 2 to 20 inches: Brown, fine to coarse SAND, trace Silt. Fill. 20 - 23 inches: Asphalt piece. 23 - 31 inches: light brown, fine to medium SAND, trace Silt. Fill (clean). 31 - 38 inches: Brown-gray, fine to medium SAND and Clayey Silt. Possibly stained> Odor. Moist. Sampled 1450.				1 2		
2	S-2	5-10	16	16	*ND	S-2: Refusal at 7.2 feet below ground surface. Top 2 inches: 31 - 38 inches: Brown-gray, fine to medium SAND and Clayey Silt. Possibly stained. Odor. Moist. 2 - 16 inches: Brown-gray, GRAVEL and fine to coarse Sand.						
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10												
11												
12												
13												
14												
15												
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).											
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										GZ-8		

GEOPROBE LOG													
 GZA GeoEnvironmental, Inc. Engineers and Scientists					Hitchiner Manufacturing 594 Elm Street Milford, New Hampshire				EXPLORATION NO.: GZ-9 SHEET: 1 of 1 PROJECT NO: 04.0190046.00 REVIEWED BY:				
Logged By: Christopher Melby Drilling Co.: New England Boring Foreman: Carl Downing				Geoprobe Location: See Plan Ground Surface Elev. (ft.): Final Geoprobe Depth (ft.): 10 Date Start - Finish: 8/6/2014 - 8/6/2014				H. Datum: V. Datum:					
Type of Rig: Geoprobe Rig Model: 6610 Drilling Method: Direct Push				Sampler Type: Acetate Sleeve Sampler O.D. (in.): 2.0 Sampler Length (in.): 60 Rock Core Size:				Groundwater Depth (ft.)					
								Date	Time	Water Depth	Stab. Time		
Depth (ft)	Sample				Sample Description Modified Burmister				Remark	Elev. (ft.)	Stratum Description	Depth (ft.)	
1	S-1	0-5	60	41	*ND	S-1: Top 2 inches: Concrete dust. 2 - 10 inches: Brown-gray, fine to coarse SAND, trace Silt. Fill. 10 - 41 feet: Light brown, fine to medium SAND, trace Silt. Fill (clean). Darker red spot of Sand from 34 - 35 inches.				1 2			
2	S-2	5-10	60	36	*ND	S-2: 0 - 16 feet : Light brown, fine to medium SAND, trace Silt. Clean Fill. 16 - 21.5 inches: Gray, fine to medium SAND, trace Silt. Undesirable Fill. Not cohesive. Possibly stained. Sampled 1505. 21.5 - 32 inches: Gray, Clayey SILT and fine to medium Sand, Stained, odor. Moist to wet. Sampled 1510. 36 - 36 inches: Brown to gray, GRAVEL and fine to coarse Sand. Wet at 24 inches.							
3						End of exploration at 10 feet.							
4													
5													
6													
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9													
10													
11													
12													
13													
14													
15													
REMARKS	1 - Soil samples field screened with a MiniRae 2000 with a 10.6 eV bulb. Field testing results represent meter response in parts per million (ppm) above background values for each sample. ND=None Detected above background. 2 - *Non-detected above background concentrations for the entire core run (sleeve).												
Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.											GZ-9		

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-1				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000		
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)					
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization		
Model: 7822D		Hammer (lb): NA	10/16/2015	8.00	Ground Surface	NA		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0	S-1	60/36	0-5	NA	0'-4": Asphalt	ASPHALT		
1					4"-3.5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.6	1
2							1.2	1,2
3							0.9	1
4								
5	S-2	60/36	5-10	NA	3.5'-4': Black to dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry. 4'-5.5': Brown/orange, medium SAND, some coarse Sand and little fine Gravel, trace Silt, dry.		COBBLE	
6					5.5'-6': Dark brown medium SAND, some coarse Sand and fine Gravel, trace Silt, dry.	SAND		
7					6'-8.5': Light brown medium to fine SAND, little coarse Sand, trace Silt, wet at 8' bgsdepth.		0.9	1, 2
8								
9					8.5'-9': Very dense, white rock/cobble.		COBBLE	
10					9'-10': Orange/brown medium to fine GRAVEL, some coarse Sand, saturated.		GRAVEL	1
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-2			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000	
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)				
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA	
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15	
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization	
Model: 7822D		Hammer (lb): NA	10/16/2015	7.50	Ground Surface	NA	
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	#	Pen/Rec (in)	Depth (ft)				
0	S-1	60/36	0-5	NA	<p>0'-4": Asphalt</p> <p>4"-3.5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.</p> <p>4'-4.5": Orange/tan, fine to medium SAND, trace Silt, dry.</p> <p>4'-5.5": Tan, fine to medium SAND, trace Silt, damp.</p> <p>5.5'-6": Orange/tan, fine to medium SAND, trace Silt, damp.</p> <p>6'-7.5": Tan, fine to medium to fine SAND, little coarse Sand and fine Gravel, trace Silt, wet at 7.5 feet bgs.</p> <p>7.5'-9": Brown, coarse SAND, little fine to medium Sand, trace Silt, wet.</p> <p>9'-10": Brown medium to fine GRAVEL, some coarse Sand, saturated.</p> <p>Boring Terminated at 10' bgs.</p>	ASPHALT	
1						<p>FILL (SAND & GRAVEL)</p> <p>1</p> <p>SAND</p> <p>1.2</p> <p>0.9</p> <p>GRAVEL</p>	1
2							
3							
4							
5	S-2	60/36	5-10	NA			
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-3			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000			
Drilling Company: Eastern Analytical				Boring Location: East of concrete pad (see site plan)			
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 10/16/15 Date Completed: 10/16/15			
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Ground Surface	NA
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	#	Pen/Rec (in)	Depth (ft)				
0	S-1	60/36	0-5	NA	0'-4": Asphalt	ASPHALT	
1					4"-3': Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.7
2							1
3					3'-6.5": Orange/tan, fine to medium SAND, trace Silt, dry.	SAND	0.9
4							1,2
5	S-2	60/36	5-10	NA		1.1	1
6							
7					6.5'-9": Grey, medium to fine SAND, little coarse Sand, trace Silt, wet at 7.5 feet bgs.	1	1, 2
8							
9					9'-10": Dark brown/grey medium to fine GRAVEL, some coarse Sand, saturated.	GRAVEL	1
10							1
11					Boring Terminated at 10' bgs.		
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-4		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD		
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)			
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Stabilization
Method: Direct Push		Fall (in): NA				NA
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)			
0	S-1	60/32	0-5	NA	ASPHALT	
1				0'-4": Asphalt		
2				4"-1.5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.		
3				1.5'-3": Tan, fine to medium SAND, little Silt and fine gravel, dry.		
4				3'-7.5": Orange/tan, fine to medium SAND, little coarse Sand and fine Gravel, trace Silt, damp.		
5	S-2	60/42	5-10	NA		
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-5				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000		
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)					
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization		
Model: 7822D		Hammer (lb): NA	10/16/2015	7.50	Ground Surface	NA		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0	S-1	60/34	0-5	NA	0'-4": Asphalt 4"-3.5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 4'-6": Orange/tan, medium SAND, little fine Gravel, trace Silt, dry. 6'-8.5": Grey, medium to fine SAND, little coarse Sand, trace Silt, wet at 7.5 feet bgs. 8.5'-9.5": Grey/brown, SAND & GRAVEL, trace Silt, wet. 9.5'-10": Dark brown/grey medium to fine GRAVEL, some coarse Sand, saturated. Boring Terminated at 10' bgs.	ASPHALT		
1				FILL (SAND & GRAVEL)		0.6	1	
2						0.9	1	
3						0.8	1,2	
4						0.8	1	
5	S-2	60/48	5-10	NA		SAND	0.7	1, 2
6							0.8	1
7							1.1	1
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-6				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)					
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date		Depth (ft)	Reference		
Model: 7822D		Hammer (lb): NA	10/16/2015		7.50	Stabilization		
Method: Direct Push		Fall (in): NA				NA		
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION		FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"	STRATUM DESCRIPTION			
0	S-1	60/40	0-5	NA	0'-4": Asphalt	ASPHALT		
1					4"-2': Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)		
2					2-2.5': Very dark brown, medium to coarse SAND, some fine GRAVEL, trace Silt, dry, apparent fill material.	COBBLE		
3					3'-7': Orange/tan, fine to medium SAND, trace Silt, dry.			
4								
5	S-2	60/44	5-10	NA				
6								
7					7'-8': Dark brown, medium SAND, some coarse Sand, little fine Gravel, trace Silt, wet at 7.5 feet bgs.			
8					8'-9': Grey, fine SAND & SILT, trace fine Gravel, wet.			
9					9'-10': Dark brown/grey medium to fine GRAVEL, some coarse Sand, saturated.			
10					Boring Terminated at 10' bgs.			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-7		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)			
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA	10/16/2015	7.50	Ground Surface	NA
Method: Direct Push		Fall (in): NA				
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)			
0	S-1	60/48	0-5	NA	ASPHALT	
1				0'-4": Asphalt		
2				4"-2.5': Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.		
3				2.5'-7': Orange/brown, medium to fine SAND, little coarse Sand, trace Silt, damp with depth.		
4						
5	S-2	60/32	5-10	NA		
6						
7				7'-8.5': Brown, medium to coarse SAND, some fine Sand and fine Gravel, trace Silt, wet.		
8				8.5'-10': Grey/brown medium to fine GRAVEL, some coarse Sand, saturated.		
9						
10						
11				Boring Terminated at 10' bgs.		
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-8		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)			
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA	10/16/2015	7.50	Ground Surface	NA
Method: Direct Push		Fall (in): NA				
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)			
0	S-1	60/49	0-5	NA	0'-4': Asphalt	ASPHALT
1					4"-3': Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)
2						
3					3-3.5': Very dark brown, medium to coarse SAND, some fine GRAVEL, trace Silt, dry, apparent fill material.	
4					3.5'-7': Tan/brown, medium SAND, some coarse Sand, trace Silt and fine Gravel, damp with depth.	
5	S-2	60/36	5-10	NA		
6						SAND
7					7'-9': White, COBBLE and ROCK fragments, wet.	
8						
9					9'-10': Grey/brown medium to fine GRAVEL, some coarse Sand, saturated.	
10					Boring Terminated at 10' bgs.	
11						COBBLE
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG									
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-9					
Project: Elm Street Facility				Sheet: 1 of 1					
Location: 594 Elm Street, Milford, NH				Checked By: MFD					
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)					
Foreman: Brian Law				Ground Surface Elevation: not surveyed					
GeoInsight Engineer/Geologist: Eric D. Johnson				Datum: NA					
Date Started: 10/16/15				Date Completed: 10/16/15					
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS					
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference			
Model: 7822D			Hammer (lb): NA	10/16/2015	7.50	Stabilization			
Method: Direct Push			Fall (in): NA			NA			
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)			
	#	Pen/Rec (in)	Depth (ft)	Blows/6"					
0	S-1	60/33	0-5	NA	SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
1									
2									
3									
4									
5	S-2	60/28	5-10	NA					
6									
7									
8									
9									
10					FIELD SCREENING (ppm)	NOTE			
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
GRANULAR SOILS			COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.					
0-4	V. LOOSE	<2	V. SOFT						
5-10	LOOSE	2-4	SOFT						
11-30	M. DENSE	4-8	M. STIFF						
31-50	DENSE	8-15	STIFF						
>50	V. DENSE	15-30	V. STIFF						
		>30	HARD						

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-10		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)		
Foreman: Brian Law				Ground Surface Elevation: not surveyed		Datum: NA
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 10/16/15		Date Completed: 10/16/15
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Ground Surface
Method: Direct Push		Fall (in): NA				
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)			
0	S-1	60/40	0-5	NA	0'-4": Asphalt	ASPHALT
1					4"-2": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)
2					2'-7": Tan/light brown, fine to medium SAND, little Silt and fine gravel, damp with depth.	SAND
3						
4						0.8
5	S-2	60/60	5-10	NA		
6						4.1
7					7'-9.5": Dark black with multicolor banding, fine grained, wet.	SAND/SILT
8						0.6
9						1
10	S-3	60/60	10-15	NA	9.5'-11": Brown medium to fine GRAVEL, some coarse Sand, saturated.	GRAVEL
11					11'-12": Dark brown/black, fine to medium SAND, little Silt and fine gravel, wet.	
12					12'-14": Medium brown, fine to medium SAND, little Silt and fine gravel, wet.	SAND
13						
14					14'-15": dark brown, fine SAND & SILT, trace fine Gravel, wet.	SILT
15					Boring Terminated at 15' bgs.	
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-11				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000		
Drilling Company: Eastern Analytical			Boring Location: West of concrete pad (see site plan)					
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference		
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Ground Surface		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0	S-1	60/38	0-5	NA	<p>0'-4": Asphalt</p> <p>4"-4': Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.</p> <p>4'-5': Brown, medium to coarse SAND, little Silt and fine gravel, dry. Some organics.</p> <p>5'-7': Very dark brown/black, fine to medium SAND, little Silt and, damp with depth.</p> <p>7'-8': Brown, medium to coarse SAND, little fine Sand and fine Gravel, trace Silt, wet.</p> <p>8'-9': White, COBBLE and ROCK fragments, wet.</p> <p>9'-10': Brown medium to fine GRAVEL, some coarse Sand, saturated.</p> <p>Boring Terminated at 10' bgs.</p>	ASPHALT		
1								
2								
3								
4								
5	S-2	60/42	5-10	NA				
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-12			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000	
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)			
Foreman: Brian Law				Ground Surface Elevation: not surveyed		Datum: NA	
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 10/16/15		Date Completed: 10/16/15	
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Ground Surface	
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	
	#	Pen/Rec (in)	Depth (ft)				Blows/6"
0	S-1	60/36	0-5	NA	ASPHALT FILL (SAND & GRAVEL) SAND SAND & GRAVEL		
1				0'-4": Asphalt			
2				4"-5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.			
3							
4							
5	S-2	60/39	5-10	NA		5'-7": Orange/brown, medium to fine SAND, little coarse Sand, trace Silt, damp with depth.	
6							
7				7'-8": Grey, medium SAND, some fine and coarse Sand and little fine Gravel, trace Silt, wet.			
8				8'-10": Brown/red medium to coarse SAND & fine GRAVEL, saturated.			
9							
10				Boring Terminated at 10' bgs.			
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-13			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000	
Drilling Company: Eastern Analytical			Boring Location: West of concrete pad (see site plan)				
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA	
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 10/16/15			Date Completed: 10/16/15	
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Ground Surface	
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	#	Pen/Rec (in)	Depth (ft)				
0	S-1	60/29	0-5	NA	0'-4": Asphalt	ASPHALT	
1					4"-3": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.7
2							1
3					3'-6": Brown, medium to fine SAND, trace Silt and fine Gravel, dry.		1
4							
5	S-2	60/28	5-10	NA	6'-8": Grey, fine to medium SAND, trace Silt, wet.	SAND	0.8
6							
7							
8					8'-10": Grey/brown medium to coarse SAND & fine GRAVEL, saturated.		1,2
9							
10							
11					Boring Terminated at 10' bgs.		
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS			COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-14				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed		Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 10/16/15		Date Completed: 10/16/15		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference		
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Ground Surface		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0	S-1	60/36	0-5	NA	0'-4": Asphalt	ASPHALT		
1					4"-4": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.4	1
2								
3								
4					4'-7': Very dark brown, medium to coarse SAND GRAVEL, trace Silt, dry, apparent fill material.			
5	S-2	60/50	5-10	NA				
6								
7					7'-9.5': Dark black with multicolor banding, fine grained SILT and fine Sand, wet.	SILT/SAND	6	1,2
8								
9								
10	S-3	60/52	10-15	NA	9.5'-10': Reddish/brown medium to fine GRAVEL, some coarse Sand, saturated.	GRAVEL	1.6	1
11					10'-12.5': Dark brown/grey, fine to medium SAND with fine to Gravel, little Silt, wet.	SAND	0.9	1
12								
13					12.5'-15': Grey/brown medium to coarse SAND & fine GRAVEL, saturated.	SAND & GRAVEL	0.9	1,2
14								
15					Boring Terminated at 15' bgs.			
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-15			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000	
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)			
Foreman: Brian Law				Ground Surface Elevation: not surveyed		Datum: NA	
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 10/16/15		Date Completed: 10/16/15	
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization	
Model: 7822D		Hammer (lb): NA	10/16/2015	7.50	Ground Surface	NA	
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	#	Pen/Rec (in)	Depth (ft)				
0	S-1	60/30	0-5	NA	0'-4": Asphalt 4"-5.5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 5.5'-9.5": Dark black with multicolor banding, fine grained SILT and fine Sand, wet. 9.5'-15": Brown/grey medium to coarse SAND & fine GRAVEL, saturated.	ASPHALT	
1							
2							
3							
4							
5	S-2	60/44	5-10	NA			
6							
7							
8							
9							
10	S-3	60/34	10-15	NA			
11							
12							
13							
14							
15							
16				Boring Terminated at 15' bgs.			
17							
18							
19							
20							
GRANULAR SOILS			COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG									
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-16					
Project: Elm Street Facility				Sheet: 1 of 1					
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000			
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)					
Foreman: Brian Law				Ground Surface Elevation: not surveyed		Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 10/16/15		Date Completed: 10/16/15			
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS					
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference			
Model: 7822D		Hammer (lb): NA		10/16/2015	7.50	Ground Surface			
Method: Direct Push		Fall (in): NA							
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE		
	#	Pen/Rec (in)	Depth (ft)					Blows/6"	
0	S-1	60/32	0-5	NA	<p>0'-4": Asphalt</p> <p>4"-5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.</p> <p>5'-8": Brown/grey, medium to fine SAND, some coarse sand, trace Silt and fine Gravel, dry.</p> <p>8'-10": Grey/brown medium to coarse SAND & fine GRAVEL, saturated.</p> <p>Boring Terminated at 10' bgs.</p>	ASPHALT			
1				<p>FILL (SAND & GRAVEL)</p> <p>SAND</p> <p>SAND & GRAVEL</p>		0.7	1		
2							0.9	1	
3							2.1	1,2	
4							0.6	1	
5	S-2	60/48	5-10			NA		0.9	1,2
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
GRANULAR SOILS			COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.					
0-4	V. LOOSE	<2	V. SOFT						
5-10	LOOSE	2-4	SOFT						
11-30	M. DENSE	4-8	M. STIFF						
31-50	DENSE	8-15	STIFF						
>50	V. DENSE	15-30	V. STIFF						
		>30	HARD						

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-17				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 12/16/15 Date Completed: 12/16/15				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization	
Model: 7822D		Hammer (lb): NA		12/16/2015	8.00	Ground Surface	NA	
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0				0'-4": Asphalt	ASPHALT			
1				4"-4": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. Pre-cleared to 4' bgs, soils logged from hand-augers.	FILL (SAND & GRAVEL)	0.4	1	
2								
3								
4	S-1	72/46	4-10	NA				4'-6": Medium to dark brown, medium to coarse SAND, some fine Sand, trace Silt and fine Gravel, dry.
5								
6				6'-7.5": Dark brown, fine to medium SAND, some coarse Sand, trace Silt and fine Gravel, dry.				
7				7.5'-8": Medium brown, medium to coarse SAND, very little fine Gravel, trace Silt, dry.				
8				8'-9": White, COBBLE and ROCK fragments, wet.				
9				9'-10": Brown medium to coarse SAND & fine GRAVEL, saturated.				
10				Boring Terminated at 10' bgs.				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-18				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed		Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 12/16/15		Date Completed: 12/16/15		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference		
Model: 7822D		Hammer (lb): NA		12/16/2015	8.00	Ground Surface		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0				0'-4": Asphalt	ASPHALT			
1				4"-4.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. Pre-cleared to 4' bgs, soils logged from hand-augers.	FILL (SAND & GRAVEL)	0.9	1	
2								
3								
4	S-1	22/22	40"-62"	NA	4.5'-5.5": Medium to dark brown, medium to coarse SAND, some fine Sand, trace Silt and fine Gravel, dry.	SAND	0.6	1,2
5	S-2	60/48	5-10	NA				0.7
6					5.5'-7.5": Medium brown/orange, medium to coarse SAND, some fine Gravel, coarse Sand, and trace Silt, dry.			
7					7.5'-8": White, COBBLE and ROCK fragments, wet.			
8					8'-10": Brown medium to coarse SAND & fine GRAVEL, saturated.			
9								
10								
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-19				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD		Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed		Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 12/16/15		Date Completed: 12/16/15		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference		
Model: 7822D		Hammer (lb): NA		12/16/2015	8.00	Ground Surface		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0				0'-4": Asphalt	ASPHALT			
1				4"-4.5": Medium to dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. Pre-cleared to 4' bgs, soils logged from hand-augers.	FILL (SAND & GRAVEL)	0.6	1	
2								
3								
4	S-1	18/16	3.5-5	NA				
5	S-2	60/36	5-10	NA	4.5'-6.5": Dark brown/orange, medium to fine SAND, some Silt, dry.	SAND	0.4	1,2
6								
7				6.5'-8.5": Grey/brown, fine SAND, some Silt, damp at 8' bgs.				
8								
9				8.5'-10": Brown medium to coarse SAND & fine GRAVEL, saturated.	SAND & GRAVEL	0.3	1	
10								
11				Boring Terminated at 10' bgs.				
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-20				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 12/16/15 Date Completed: 12/16/15				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization	
Model: 7822D		Hammer (lb): NA		12/16/2015	8.00	Ground Surface	NA	
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE	
	#	Pen/Rec (in)	Depth (ft)					Blows/6"
0				0'-4": Asphalt	ASPHALT FILL (SAND & GRAVEL) SAND COBBLE SAND & GRAVEL			
1				4"-3.5": Dark brown/black, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. Pre-cleared to 4' bgs, soils logged from hand-augers.				
2							0.4	1
3								
4	S-1	72/43	4-10	NA		3.5'-5": Medium to dark brown, medium to coarse SAND, some fine Sand, trace Silt and fine Gravel, dry.		
5						5'-6": Brown/orange, fine to medium SAND, some Silt, dry. Fe staining observed.		
6						6'-7.5": Grey/brown, fine to medium SAND, some coarse sand, trace Silt Gravel, dry.		
7						7.5'-8": Medium brown, medium to coarse SAND, very little fine Gravel, trace Silt, dry.		
8						8'-9": White, COBBLE and ROCK fragments, wet.		
9						9'-10": Brown/orange medium to coarse SAND & fine GRAVEL, saturated.		
10					Boring Terminated at 10' bgs.			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-21			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000			
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)			
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 12/16/15 Date Completed: 12/16/15			
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA		12/16/2015	8.00	Ground Surface	NA
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	#	Pen/Rec (in)	Depth (ft)				
0				0'-4": Asphalt	ASPHALT		
1				4"-4.5": Dark brown/black, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. Pre-cleared to 4' bgs, soils logged from hand-augers.			
2					FILL (SAND & GRAVEL)	0.3	1
3							
4	S-1	72/44	4-10	NA	4.5'-6.5": Medium to dark brown, fine to medium SAND, some Silt, little coarse Sand, dry.	0.4	1,2
5							
6				6.5'-8.5": Grey/brown, fine to medium SAND, some Silt, little coarse Sand, damp with depth.	SAND	0.3	1,2
7							
8							
9				8.5'-9.5": White, COBBLE and ROCK fragments, wet.	COBBLE	0.7	1
10				9.5-10': Brown/orange medium to coarse SAND & fine GRAVEL, saturated.			
11				Boring Terminated at 10' bgs.			
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS			COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-22			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000			
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)			
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 12/16/15 Date Completed: 12/16/15			
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA		12/16/2015	8.00	Ground Surface	NA
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
	#	Pen/Rec (in)	Depth (ft)				
0				0'-4": Asphalt	ASPHALT		
1				4"-4': Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. Pre-cleared to 4' bgs, soils logged from hand-augers.	FILL (SAND & GRAVEL)	0.8	1
2							
3					SAND	0.3	1,2
4	S-1	72/52	4-10	NA		4'-6": Medium to dark brown, medium to coarse SAND, some fine sand and fine Gravel, trace Silt, dry.	
5					COBBLE		
6				6'-7.5": Dark brown/red, medium to coarse SAND, some coarse fine Gravel, trace Silt and fine Gravel, dry.			
7				7.5'-9": White, COBBLE and ROCK fragments, wet.	SAND & GRAVEL		
8							
9				9'-10": Brown medium to coarse SAND & fine GRAVEL, saturated.		1	
10				Boring Terminated at 10' bgs.			
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-100				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: East of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/26/16 Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization	
Model: 7822D		Hammer (lb): NA		09/26/2016		Ground Surface	NA	
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION				SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/30	0-5	NA	0'-6": Topsoil	TOPSOIL	0.0	1
1					6"-3": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.0	1
2								
3					3'-6": Light brown/tan, medium to fine SAND, little Silt, very little fine Gravel, dry.			1
4							0.0	1,2
5	S-2	60/37	5-10	NA	6'-7.5": Light brown, medium to fine SAND, very little fine Gravel, trace Silt, damp.			1
6					7.5'-8": Dark brown, fine SAND, little Silt, damp.		0.0	1,2
7					8'-10": Grey/brown, SAND & GRAVEL, trace Silt, dry.		0.0	1
8								
9							0.0	1
10								
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

 GeoInsight <small>Environmental Strategy & Engineering</small>	SOIL BORING LOG									
	Client: Hitchiner Manufacturing Co. Inc.			Boring Identification: SB-101						
	Project: Elm Street Facility			Sheet: 1 of 1						
Location: 594 Elm Street, Milford, NH			Checked By: MFD		Project Number: 7843-000					
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)							
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 9/26/16		Date Completed: 9/26/16					
DRILLING METHOD		SAMPLER	GROUNDWATER MEASUREMENTS							
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization				
Model: 7822D		Hammer (lb): NA	09/26/2016		Ground Surface	NA				
Method: Direct Push		Fall (in): NA								
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE			
#	Pen/Rec (in)	Depth (ft)	Blows/6"							
0	S-1	60/33	0-5	NA	0'-3': Asphalt					
1					3"-3': Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.					
2										
3					3'-6': Light brown/tan, medium to fine SAND, little Silt, very little fine Gravel, dry.					
4										
5	S-2	60/32	5-10	NA	6'-8': Dark brown, medium to fine SAND, very little fine Gravel, trace Silt, damp.					
6										
7					8'-10': Grey/brown, SAND & GRAVEL, trace Silt, dry.					
8										
9										
10										
11					Boring Terminated at 10' bgs.					
12										
13										
14										
15										
16										
17										
18										
19										
20										
GRANULAR SOILS		COHESIVE SOILS		NOTES						
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.						
0-4	V. LOOSE	<2	V. SOFT							
5-10	LOOSE	2-4	SOFT							
11-30	M. DENSE	4-8	M. STIFF							
31-50	DENSE	8-15	STIFF							
>50	V. DENSE	15-30	V. STIFF							
		>30	HARD							

SOIL BORING LOG							
GeoInsight® Environmental Strategy & Engineering				Client: Hitchiner Manufacturing Co. Inc. Boring Identification: SB-102 Project: Elm Street Facility Sheet: 1 of 1 Location: 594 Elm Street, Milford, NH Checked By: MFD Project Number: 7843-000			
Drilling Company: Eastern Analytical				Boring Location: East of concrete pad (see site plan)			
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/26/16 Date Completed: 9/26/16			
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA		09/26/2016		Ground Surface	NA
Method: Direct Push		Fall (in): NA					
DEPTH (ft)	SAMPLE INFORMATION				SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			
0	S-1	60/31	0-5	NA	0'-3": Asphalt	ASPHALT	
1					3"-5": Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	1
2							
3					5'-8.5": Brown/orange, medium to fine SAND, little coarse Sand, trace Silt, damp.		1
4							1
5	S-2	60/26	5-10	NA		SAND	1,2
6							
7							1,2
8							1
9							1
10							1,2
11					Boring Terminated at 10' bgs.		
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

 GeoInsight <small>Environmental Strategy & Engineering</small>	SOIL BORING LOG								
	Client: Hitchiner Manufacturing Co. Inc.			Boring Identification: SB-103					
	Project: Elm Street Facility			Sheet: 1 of 1					
Location: 594 Elm Street, Milford, NH			Checked By: MFD		Project Number: 7843-000				
Drilling Company: Eastern Analytical			Boring Location: East of concrete pad (see site plan)						
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 9/26/16		Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS					
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization		
Model: 7822D		Hammer (lb): NA		09/26/2016		Ground Surface	NA		
Method: Direct Push		Fall (in): NA							
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION		STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
#	Pen/Rec (in)	Depth (ft)	Blows/6"			SAND	NOTE		
0	S-1	60/34	0-5	0'-3": Asphalt		SAND	1		
1				3"-3.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.					
2									
3									
4				3.5'-6": Light brown/tan, medium to fine SAND, little Silt, very little fine Gravel, dry.					
5	S-2	60/31	5-10	6'-7.5": Light brown/grey, medium SAND, some coarse Sand and fine Gravel, damp.					
6				7.5'-8.5": Grey/brown, medium to fine SAND, some Silt, damp.					
7				8.5'-10": Grey/brown, SAND & GRAVEL, trace Silt, dry.					
8									
9									
10						SAND & GRAVEL	1,2		
11				Boring Terminated at 10' bgs.					
12									
13									
14									
15									
16									
17									
18									
19									
20									
GRANULAR SOILS		COHESIVE SOILS		NOTES					
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.					
0-4	V. LOOSE	<2	V. SOFT						
5-10	LOOSE	2-4	SOFT						
11-30	M. DENSE	4-8	M. STIFF						
31-50	DENSE	8-15	STIFF						
>50	V. DENSE	15-30	V. STIFF						
		>30	HARD						

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-104				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: South of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/26/16 Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference		
Model: 7822D		Hammer (lb): NA		09/26/2016		Stabilization		
Method: Direct Push		Fall (in): NA				NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			SAMPLE DESCRIPTION	NOTE
0	S-1	60/30	0-5	NA	0'-3": Asphalt	ASPHALT	0.0	1
1					6"-3.5": Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.0	1
2								
3					3'-6": Light brown/tan, medium to fine SAND, little Silt, very little fine Gravel, dry.			1
4							0.0	1,2
5	S-2	60/37	5-10	NA				1
6					6'-7.5": Light brown, medium to fine SAND, very little fine Gravel, trace Silt, damp.			1,2
7							0.0	1
8					7.5'-8": Dark brown, fine SAND, little Silt, damp.			1
9							0.0	1
10					8'-10": Grey/brown, SAND & GRAVEL, trace Silt, dry.			1,2
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-105		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD		
Drilling Company: Eastern Analytical				Project Number: 7843-000		
Foreman: Brian Law				Boring Location: East end of concrete pad (see site plan)		
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed		
				Datum: NA		
				Date Started: 9/26/16		
				Date Completed: 9/26/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference
Model: 7822D			Hammer (lb): NA	09/26/2016		Stabilization
Method: Direct Push			Fall (in): NA			NA
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/30	0-5	NA	0'-8": Concrete slab.	Concrete Slab
1					8"-3': Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)
2						0.4
3						1
4					3'-4': Light brown/tan, medium to fine SAND, little Silt, very little fine Gravel, dry.	0.5
5					4'-6': Light brown, medium SAND, little fine Gravel and coarse Sand, trace Silt, dry.	1,2
6	S-2	60/26	5-10	NA	6'-10': Grey/brown, SAND & GRAVEL, trace Silt, dry.	0.5
7						1,2
8						
9						
10						
11					Boring Terminated at 10' bgs.	
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG										
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-107						
Project: Elm Street Facility				Sheet: 1 of 1						
Location: 594 Elm Street, Milford, NH				Checked By: MFD						
Drilling Company: Eastern Analytical				Project Number: 7843-000						
Foreman: Brian Law				Boring Location: East end of concrete pad (see site plan)						
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed						
				Datum: NA						
				Date Started: 9/26/16						
				Date Completed: 9/26/16						
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS						
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization			
Model: 7822D			Hammer (lb): NA	09/26/2016		Ground Surface	NA			
Method: Direct Push			Fall (in): NA							
DEPTH (ft)	SAMPLE INFORMATION				SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)			
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			NOTE			
0	S-1	60/30	0-5	NA	0'-8": Concrete slab.	Concrete Slab				
1					8"-2.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.4			
2					2.5'-3": Light brown/tan, medium to fine SAND, little Silt, very little fine Gravel, dry.		0.6			
3					3'-5": Medium brown, fine to medium SAND, little coarse Sand, dry.		1			
4					5'-7": Light to medium brown, fine to medium SAND, little fine Gravel and coarse Sand, trace Silt, dry.		0.8			
5	S-2	60/24	5-10	NA	7'-10": Grey/brown, SAND & GRAVEL, trace Silt, dry.		1,2			
6							1			
7							1,2			
8							1			
9							1			
10							1,2			
11					Boring Terminated at 10' bgs.					
12										
13										
14										
15										
16										
17										
18										
19										
20										
GRANULAR SOILS			COHESIVE SOILS		NOTES					
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.						
0-4	V. LOOSE	<2	V. SOFT							
5-10	LOOSE	2-4	SOFT							
11-30	M. DENSE	4-8	M. STIFF							
31-50	DENSE	8-15	STIFF							
>50	V. DENSE	15-30	V. STIFF							
		>30	HARD							

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-106				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: East end of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/26/16				
				Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/26/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
#	Pen/Rec (in)	Depth (ft)	Blows/6"					
0	S-1	60/34	0-5	NA	0'-8": Concrete slab. 8"-2": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 2'-6": Light brown/orange, medium SAND, some fine Sand, trace Silt, dry.	Concrete Slab		
1						FILL (SAND & GRAVEL)		
2						0.4		
3								
4								
5	S-2	60/33	5-10	NA				
6								
7								
8								
9								
10					SAND			
11				Boring Terminated at 10' bgs.				
12								
13								
14								
15								
16								
17								
18								
19								
20	GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

 GeoInsight <small>Environmental Strategy & Engineering</small>		SOIL BORING LOG							
		Client: Hitchiner Manufacturing Co. Inc.		Boring Identification: SB-108		Sheet: 1 of 1			
		Project: Elm Street Facility		Checked By: MFD		Project Number: 7843-000			
Drilling Company: Eastern Analytical		Boring Location: East end of concrete pad (see site plan)							
Foreman: Brian Law		Ground Surface Elevation: not surveyed		Datum: NA					
GeoInsight Engineer/Geologist: Eric D. Johnson		Date Started: 9/26/16		Date Completed: 9/26/16					
DRILLING METHOD		SAMPLER	GROUNDWATER MEASUREMENTS						
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization			
Model: 7822D		Hammer (lb): NA	09/26/2016		Ground Surface	NA			
Method: Direct Push		Fall (in): NA							
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION		STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			NOTE		
0	S-1	60/40	0-5	NA	0'-8": Concrete slab.		Concrete Slab		
1					8"-2': Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.		FILL (SAND & GRAVEL) 0.6		
2					2'-4.5': Light brown/tan, medium to fine SAND, very little Silt, dry.		1		
3							0.5		
4							1,2		
5	S-2	60/36	5-10	NA	4.5'-6.5': Medium brown, medium SAND, some coarse Sand, little fine Gravel, trace Silt, dry.		1		
6							0.4		
7					6.5'-8': Grey, medium SAND, some coarse Sand, damp.		1		
8					8'-10': Grey/white, SAND & GRAVEL, trace Silt, dry.		1,2		
9							1		
10							1.3		
11					Boring Terminated at 10' bgs.		1,2		
12									
13									
14									
15									
16									
17									
18									
19									
20									
GRANULAR SOILS		COHESIVE SOILS		NOTES					
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.					
0-4	V. LOOSE	<2	V. SOFT						
5-10	LOOSE	2-4	SOFT						
11-30	M. DENSE	4-8	M. STIFF						
31-50	DENSE	8-15	STIFF						
>50	V. DENSE	15-30	V. STIFF						
		>30	HARD						

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-109				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: East end of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/26/16 Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization	
Model: 7822D		Hammer (lb): NA		09/26/2016		Ground Surface	NA	
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION				SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/27	0-5	NA	0'-8": Concrete slab. 8"-4.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	Concrete Slab		
1								
2								
3								
4								
5	S-2	60/39	5-10	NA	4.5'-5.5": Light brown/tan, medium to fine SAND, very little Silt, dry. 5.5'-6.5": Light brown/tan, medium to fine SAND, little fine Gravel, trace Silt dry. 6.5'-8": Dark brown/grey, fine to medium SAND, some Silt, damp.	FILL (SAND & GRAVEL)	0.6	1
6							0.6	1,2
7							0.8	1
8							0.9	1,2
9							1	
10								
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-110				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: East end of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/26/16				
				Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/26/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
#	Pen/Rec (in)	Depth (ft)	Blows/6"					
0	S-1	60/36	0-5	NA	0'-8": Concrete slab. 8"-2": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 2'-4": Light brown/tan, medium to fine SAND, trace Silt, dry. 4'-4.5": Brown, medium SAND, some coarse Sand and fine Gravel trace Silt, dry. 4.5'-6.5": Light brown/tan, medium SAND, some coarse Sand, very little fine Gravel, trace Silt dry. 6.5'-8.5": Dark brown/grey, medium SAND, some coarse Sand, little fine sand and Silt, damp. Some organic noted. 8.5'-10": Grey/white, SAND & GRAVEL, trace Silt, dry.	Concrete Slab		
1				FILL (SAND & GRAVEL)	0.2			
2				SAND	0.4			
3					0.3			
4					1,2			
5	S-2	60/38	5-10		NA	0.3		
6					1			
7				3.6	1,2			
8					1			
9					1			
10					0.5			
11				Boring Terminated at 10' bgs.		1,2		
12								
13								
14								
15								
16								
17								
18								
19								
20	GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-111				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: Middle of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/26/16				
				Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/26/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/38	0-5	NA	0'-8": Concrete slab. 8"-1.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 1.5'-4": Light brown/tan, medium to fine SAND, trace Silt, dry. 4'-4.5": Grey/White Cobble, dry. 4.5"-5": Light brown/tan, medium to fine SAND, trace Silt, 5'-7": Light brown/tan, medium to fine SAND, some Silt, little organics noted, damp. 7"-8.5": Dark brown/grey, SAND & GRAVEL, trace Silt, dry. 8.5"-10": Grey/white, SAND & GRAVEL, trace Silt, dry.	Concrete Slab		
1						FILL (SAND & GRAVEL)		
2								
3					SAND	0.2		
4						1		
5	S-2	60/30	5-10	NA		0.3		
6					COBBLE			
7						0.1		
8						1,2		
9								
10								
11				Boring Terminated at 10' bgs.	SAND			
12						0.4		
13						1,2		
14								
15						0.4		
16						1		
17						0.2		
18						1,2		
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-112		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: Middle of concrete pad (see site plan)		
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/26/16 Date Completed: 9/26/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA	09/26/2016		Ground Surface	NA
Method: Direct Push		Fall (in): NA				
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/36	0-5	NA	0'-8" : Concrete slab.	Concrete Slab
1					8"-2' : Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)
2					2'-5.5' : Dark brown/grey, fine to medium SAND and SILT, very little fine Gravel, damp.	SILT/SAND
3						
4						
5	S-2	60/32	5-10	NA	5.5'-7.5' : Brown, SAND & GRAVEL, trace Silt, dry.	
6						
7						
8					7.5'-10' : Grey/white, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.	
9						
10					Boring Terminated at 10' bgs.	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-113		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: South of concrete pad (see site plan)		
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/26/16 Date Completed: 9/26/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference
Model: 7822D		Hammer (lb): NA		09/26/2016		Stabilization
Method: Direct Push		Fall (in): NA				Ground Surface NA
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/28	0-5	NA	0'-3": Asphalt	ASPHALT 0.0 1
1					6"-6': Dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	
2						0.2 1
3						
4						
5	S-2	60/34	5-10	NA	6"-7': Dark grey/brown, medium to fine SAND, some Silt, damp.	
6						0.2 1,2
7						
8						
9					7'-10': Grey/brown, SAND & GRAVEL, trace Silt, dry.	
10						
11					Boring Terminated at 10' bgs.	
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-114		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: Middle of concrete pad (see site plan)		
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/26/16 Date Completed: 9/26/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference
Model: 7822D		Hammer (lb): NA		09/26/2016		Stabilization
Method: Direct Push		Fall (in): NA				NA
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/31	0-5	NA	0'-8" : Concrete Slab	CONCRETE SLAB
1					8"-2' : Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)
2					2'-6' : Light brown/tan, medium to fine SAND, little coarse Sand, trace Silt, dry.	
3						
4						
5	S-2	60/27	5-10	NA	6'-8.5' : Dark brown/grey, medium to fine SAND, some Silt, very little fine Gravel, damp.	
6					8.5'-10' : Grey/white, SAND & GRAVEL, trace Silt, dry.	
7						
8						
9						
10					Boring Terminated at 10' bgs.	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-115				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: Middle of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/26/16				
				Date Completed: 9/26/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/26/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/36	0-5	NA	0'-8": Concrete slab. 8"-2": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 2'-4": Light brown/tan, medium to fine SAND, trace Silt, dry. 4'-4.5": Grey/White Cobble, dry. 4.5'-6": Light brown/tan, medium to fine SAND, trace Silt, damp. 6'-7": Grey, medium to coarse SAND, some fine Silt, trace Silt, damp. 7.5'-8.5": Brown/pink, medium to fine SAND, little Silt and Fine gravel, damp. 8.5'-10": Grey/brown, SAND & GRAVEL, trace Silt, dry.	Concrete Slab		
1						FILL (SAND & GRAVEL)		
2								
3					SAND	0.3		
4						0.4		
5	S-2	60/30	5-10	NA		COBBLE		
6					SAND	1		
7						0.6		
8						0.4		
9						8.1		
10					SAND & GRAVEL	1,2		
11				Boring Terminated at 10' bgs.		1		
12						0.7		
13						1,2		
14								
15								
16								
17								
18								
19								
20	GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
GeoInsight® Environmental Strategy & Engineering								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-116				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: Middle of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/27/16 Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference	Stabilization	
Model: 7822D		Hammer (lb): NA		09/27/2016		Ground Surface	NA	
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION				SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				NOTE
0	S-1	60/38	0-5	NA	0'-8": Concrete slab. 8"-1': Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	Concrete Slab FILL (SAND & GRAVEL)		
1					1'-5.5': Tan/orange/brown, medium to fine SAND, very little fine Gravel and Silt, dry.		0.4	1
2								
3								1
4								1,2
5	S-2	60/36	5-10	NA	5.5'-6.5': Tan/Brown, SAND & GRAVEL, trace Silt, dry.		SAND	1
6					6.5'-9': Dark black with multicolor banding, fine grained SILT and fine Sand, wet. Odor.			0.5
7					9'-10': Brown/orange, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.			1
8							SILT/SAND	0.1
9							SAND & GRAVEL	1,2
10					Boring Terminated at 10' bgs.		0.4	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG						
Client: Hitchner Manufacturing Co. Inc.				Boring Identification: SB-117		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: Middle of concrete pad (see site plan)		
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/27/16 Date Completed: 9/27/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference
Model: 7822D		Hammer (lb): NA		09/27/2016		Stabilization
Method: Direct Push		Fall (in): NA				NA
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/29	0-5	NA	0'-8" : Concrete slab.	Concrete Slab
1					8"-2.5' : Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)
2						0.4
3					2.5'-6' : Tan/orange/brown, medium to fine SAND, very little fine Gravel and Silt, dry.	1
4						
5	S-2	60/34	5-10	NA		
6					6'-8' : Dark black with multicolor banding, fine grained SILT and fine Sand, wet. Odor.	
7						
8					8'-10' : Grey/Brown, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.	
9						
10						
11					Boring Terminated at 10' bgs.	
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-118				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: West end of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/27/16 Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization		
Model: 7822D		Hammer (lb): NA	09/27/2016		Ground Surface	NA		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			SAMPLE DESCRIPTION	NOTE
0	S-1	60/40	0-5	NA	0'-8": Concrete Slab	CONCRETE SLAB		
1					8"-2.5": Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.2	1
2								
3					2.5'-6': Light brown/tan/orange, medium SAND, very little fine Gravel, trace Silt, dry.			1
4								
5	S-2	60/31	5-10	NA				0.5
6					6'-7': Dark brown/grey, medium to fine SAND, little Silt, damp.		0.6	1,2
7					7'-7.5': Brown/orange, medium to fine SAND, little Silt,		0.4	1
8					7.5'-10': Grey/white, SAND & GRAVEL, trace Silt, dry.			1
9								1
10								
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-119		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: West end of concrete pad (see site plan)		
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/27/16 Date Completed: 9/27/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA	09/27/2016		Ground Surface	NA
Method: Direct Push		Fall (in): NA				
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/35	0-5	NA	0'-8": Concrete slab. 8"-2.75": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	Concrete Slab
1						FILL (SAND & GRAVEL) 0.3
2						
3					2.75'-6.75': Tan/orange/brown, medium to fine SAND, very little fine Gravel and Silt, dry.	
4						
5	S-2	60/38	5-10	NA		
6						
7					6.75'-8.75': Dark black with multicolor banding, fine grained SILT and fine Sand, wet. Odor.	
8						
9					8.75'-10': Brown/orange, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.	
10						
11					Boring Terminated at 10' bgs.	
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-120				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: West end of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/27/16				
				Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/27/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/36	0-5	NA	0'-3": Asphalt	ASPHALT		
1					3"-2": Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)		
2					2'-3": Light brown/tan/orange, medium SAND, very little fine Gravel, trace Silt, dry.	SAND		
3					3'-4": White/grey, COBBLE.	COBBLE		
4					4'-5": Brown/orange, SAND & GRAVEL, trace Silt, dry.	SAND & GRAVEL		
5	S-2	60/32	5-10	NA	5'-6.25": Dark brown/grey, medium SAND, some coarse Sand, little fine Sand, trace Silt, damp.	SAND		
6					6.25'-10": Brown/orange, SAND & GRAVEL, trace Silt, dry.			
7								
8								
9								
10								
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-121				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: West end of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/27/16 Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization		
Model: 7822D		Hammer (lb): NA	09/27/2016		Ground Surface	NA		
Method: Direct Push		Fall (in): NA						
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			SAMPLE DESCRIPTION	NOTE
0	S-1	60/31	0-5	NA	0'-8": Concrete slab. 8"-1.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 1.5'-2.5": Dark brown/orange, medium to fine SAND, little fine Gravel and Silt, dry. 2.5'-5.5": Tan/orange, medium to coarse SAND, little fine Gravel and Silt, dry.	Concrete Slab		
1						FILL (SAND & GRAVEL)	0.3	1
2								
3								1
4								
5	S-2	60/40	5-10	NA	5.5'-8.5": Dark black with multicolor banding, fine grained SILT and fine Sand, wet. Odor. 8.5'-10": Grey/brown, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.			
6								
7								
8								
9								
10								
11					Boring Terminated at 10' bgs.			
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-122				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000				
Drilling Company: Eastern Analytical				Boring Location: West end of concrete pad (see site plan)				
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA				
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/27/16 Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe		Type: 5' acetate sleeve		Date	Depth (ft)	Reference		
Model: 7822D		Hammer (lb): NA		09/27/2016		Stabilization		
Method: Direct Push		Fall (in): NA				NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			SAMPLE DESCRIPTION	NOTE
0	S-1	60/37	0-5	NA	0'-8" : Concrete Slab	CONCRETE SLAB		
1					8"-2' : Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)	0.4	1
2					2'-6' : Light brown/tan, fine to medium SAND, very little fine Gravel, trace Silt, dry.	SAND	0.9	1
3					6'-7.5' : Dark brown/grey, medium to fine SAND, little Silt, damp.			1,2
4					7.5'-10' : Brown/tan, SAND & GRAVEL, trace Silt, dry.			1
5	S-2	60/35	5-10	NA				SAND & GRAVEL
6					Boring Terminated at 10' bgs.			
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG						
Client: Hitchner Manufacturing Co. Inc.				Boring Identification: SB-123		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD Project Number: 7843-000		
Drilling Company: Eastern Analytical				Boring Location: West end of concrete pad (see site plan)		
Foreman: Brian Law				Ground Surface Elevation: not surveyed Datum: NA		
GeoInsight Engineer/Geologist: Eric D. Johnson				Date Started: 9/27/16 Date Completed: 9/27/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization
Model: 7822D		Hammer (lb): NA	09/27/2016		Ground Surface	NA
Method: Direct Push		Fall (in): NA				
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/31	0-5	NA	0'-8": Concrete slab. 8"-1.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 1.5'-4": Dark brown/orange, medium SAND, some coarse Sand, little fine Gravel and Silt, dry.	Concrete Slab
1						FILL (SAND & GRAVEL)
2						
3						
4						
5	S-2	60/25	5-10	NA	4'-6.25": Dark brown, medium SAND, some coarse Sand, very little fine Gravel, trace Silt, dry. 6.25"-7.75": Dark black with very little white banding, fine grained SILT and fine Sand, wet. Odor.	SAND
6						
7						
8						
9						
10						
11					Boring Terminated at 10' bgs.	
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-124				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: West of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/27/16				
				Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/27/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
#	Pen/Rec (in)	Depth (ft)	Blows/6"			NOTE		
0	S-1	60/36	0-5	NA	0'-3": Asphalt			
					3"-2.25": Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.			
					2.25"-6": Light brown/tan, fine to medium SAND, very little fine Gravel, trace Silt, dry.			
					6'-7.5": Dark brown/grey, medium to fine SAND, little Silt, damp.			
					7.5"-10": White/grey, SAND & GRAVEL, some Cobble, trace Silt, dry.			
					Boring Terminated at 10' bgs.			
1								
2								
3								
4								
5	S-2	60/36	5-10	NA				
					FILL (SAND & GRAVEL)			
					0.4			
					1			
					0.7			
					1,2			
					1			
6								
7					2.4			
8					1,2			
9					1			
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS		COHESIVE SOILS		NOTES				
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-125				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: West of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/27/16				
				Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/27/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/41	0-5	NA	0'-3": Asphalt	Asphalt		
1					3"-1.5": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)		
2					1.5'-6": Dark brown/orange, medium SAND, some coarse Sand, little fine Gravel and Silt, dry.			
3								
4								
5	S-2	60/40	5-10	NA				
6					6'-7.5": Dark black with multicolor banding, fine grained SILT and fine Sand, wet. Odor.			
7					7.5'-9": Pink/grey with multicolor banding, fine grained SILT and fine Sand, wet. Odor.			
8								
9					9'-10': Grey/brown, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.			
10					Boring Terminated at 10' bgs.			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG								
Client: Hitchner Manufacturing Co. Inc.				Boring Identification: SB-126				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: West of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/27/16				
				Date Completed: 9/27/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/27/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/28	0-5	NA	0'-3": Asphalt 3"-2": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 2'-4": Dark brown/orange, medium SAND, some coarse Sand, little fine Gravel and Silt, dry. 4"-6.5": Dark brown, medium SAND and GRAVEL, some coarse Sand, trace Silt, dry. 6.5"-9": Dark black with multicolor banding, fine grained SILT and fine Sand, wet. Odor. 9"-10": Grey/brown, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.	Asphalt		
1						FILL (SAND & GRAVEL)		
2						0.5		
3						1		
4								
5	S-2	60/38	5-10	NA		SAND		
6						0.6		
7						1		
8						1,2		
9								
10					SAND & GRAVEL	1.2		
11						1		
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG							
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-127			
Project: Elm Street Facility				Sheet: 1 of 1			
Location: 594 Elm Street, Milford, NH				Checked By: MFD			
Drilling Company: Eastern Analytical				Project Number: 7843-000			
Foreman: Brian Law				Boring Location: West end of concrete pad (see site plan)			
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed			
				Datum: NA			
				Date Started: 9/27/16			
				Date Completed: 9/27/16			
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS			
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference	
Model: 7822D			Hammer (lb): NA	09/27/2016		Stabilization	
Method: Direct Push			Fall (in): NA			NA	
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	
#	Pen/Rec (in)	Depth (ft)	Blows/6"			NOTE	
0	S-1	60/31	0-5	NA	0'-3": Asphalt 3"-1.5": Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 1.5'-4": Light brown/tan/orange, medium SAND, very little fine Gravel, trace Silt, dry. 4'-6": Brown, medium SAND, some coarse Sand, little fine Gravel, trace Silt, dry. 6'-7": Grey/dark brown, medium to fine SAND, little Silt, damp. 7'-8.5": Light brown/tan, SAND & GRAVEL, trace Silt, dry. 8.5'-10": Grey/white, SAND & GRAVEL, some cobble, trace Silt, dry.	ASPHALT	
				FILL (SAND & GRAVEL)	0.4		
					0.6		
					SAND	1	
						1,2	
						0.8	
					SAND & GRAVEL	1	
						1.5	
						1,2	
10							
11				Boring Terminated at 10' bgs.			
12							
13							
14							
15							
16							
17							
18							
19							
20							
GRANULAR SOILS		COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.			
0-4	V. LOOSE	<2	V. SOFT				
5-10	LOOSE	2-4	SOFT				
11-30	M. DENSE	4-8	M. STIFF				
31-50	DENSE	8-15	STIFF				
>50	V. DENSE	15-30	V. STIFF				
		>30	HARD				

SOIL BORING LOG						
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-128		
Project: Elm Street Facility				Sheet: 1 of 1		
Location: 594 Elm Street, Milford, NH				Checked By: MFD		
Drilling Company: Eastern Analytical				Project Number: 7843-000		
Foreman: Brian Law				Boring Location: West of concrete pad (see site plan)		
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed		
				Datum: NA		
				Date Started: 9/27/16		
				Date Completed: 9/27/16		
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS		
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference
Model: 7822D			Hammer (lb): NA	09/27/2016		Stabilization
Method: Direct Push			Fall (in): NA			NA
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)
	#	Pen/Rec (in)	Depth (ft)	Blows/6"		
0	S-1	60/26	0-5	NA	0'-3": Asphalt	ASPHALT
1					3"-2": Medium/dark brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL)
2					2'-6": Brown, medium SAND, some coarse Sand, little fine Gravel, trace Silt, dry.	
3						
4						
5	S-2	60/29	5-10	NA		
6					6'-8": Grey/dark brown, medium to fine SAND, little Silt, damp.	
7						
8					8'-9": Light brown/tan, SAND & GRAVEL, trace Silt, dry.	
9					9'-10": Grey/white, SAND & GRAVEL, some cobble, trace Silt, dry.	
10						
11					Boring Terminated at 10' bgs.	
12						
13						
14						
15						
16						
17						
18						
19						
20						
GRANULAR SOILS		COHESIVE SOILS		NOTES		
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.		
0-4	V. LOOSE	<2	V. SOFT			
5-10	LOOSE	2-4	SOFT			
11-30	M. DENSE	4-8	M. STIFF			
31-50	DENSE	8-15	STIFF			
>50	V. DENSE	15-30	V. STIFF			
		>30	HARD			

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-129				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: West of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/28/16				
				Date Completed: 9/28/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/28/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/22	0-5	NA	0'-3": Asphalt 3"-2": Light brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 2'-4": Medium brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material. 4'-6": Dark brown, fine to medium SAND, very little fine Gravel, trace Silt, dry. 6'-8": Dark black/grey, fine grained SILT and fine Sand, wet. Odor. 8'-10": Brown/orange, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.	Asphalt		
1								
2						FILL (SAND & GRAVEL)		
3						0.3		
4						1		
5	S-2	60/15	5-10	NA		1,2		
6						0.4		
7						1		
8					SILT/SAND	0.5		
9					SAND & GRAVEL	1,2		
10						1		
11				Boring Terminated at 10' bgs.		0.4		
12						1,2		
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG									
GeoInsight® Environmental Strategy & Engineering									
Client: Hitchiner Manufacturing Co. Inc.			Boring Identification: SB-130						
Project: Elm Street Facility			Sheet: 1 of 1						
Location: 594 Elm Street, Milford, NH			Checked By: MFD		Project Number: 7843-000				
Drilling Company: Eastern Analytical			Boring Location: West of concrete pad (see site plan)						
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 9/28/16			Date Completed: 9/28/16			
DRILLING METHOD		SAMPLER	GROUNDWATER MEASUREMENTS						
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization			
Model: 7822D		Hammer (lb): NA	09/28/2016		Ground Surface	NA			
Method: Direct Push		Fall (in): NA							
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION		FIELD SCREENING (ppm)			
	#	Pen/Rec (in)	Depth (ft)	Blows/6"	STRATUM DESCRIPTION	NOTE			
0	S-1	60/32	0-5	NA	0'-3": Asphalt	Asphalt			
1					3"-3": Light brown, medium to coarse SAND and fine to medium GRAVEL, trace Silt, dry, apparent fill material.	FILL (SAND & GRAVEL) 0.3 1			
2					3'-5": Medium/dark brown, medium SAND and some coarse and fine Sand, very little fine Gravel, trace Silt, damp.	0.4 1,2			
3					5'-7": White/tan, medium SAND, trace Silt, damp.	0.5 1,2			
4					7'-8.5": Dark black/grey with multicolor banding, fine grained SILT and fine Sand, wet. Odor.	SILT/SAND 0.4 1,2			
5	S-2	60/39	5-10	NA	8.5'-10": Brown/orange, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.	SAND & GRAVEL 0.4 1,2			
6					Boring Terminated at 10' bgs.				
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
GRANULAR SOILS		COHESIVE SOILS		NOTES					
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.					
0-4	V. LOOSE	<2	V. SOFT						
5-10	LOOSE	2-4	SOFT						
11-30	M. DENSE	4-8	M. STIFF						
31-50	DENSE	8-15	STIFF						
>50	V. DENSE	15-30	V. STIFF						
		>30	HARD						

SOIL BORING LOG										
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-131						
Project: Elm Street Facility				Sheet: 1 of 1						
Location: 594 Elm Street, Milford, NH				Checked By: MFD						
Drilling Company: Eastern Analytical				Boring Location: West of concrete pad (see site plan)						
Foreman: Brian Law				Ground Surface Elevation: not surveyed						
GeoInsight Engineer/Geologist: Eric D. Johnson				Datum: NA						
Date Started: 9/28/16				Date Completed: 9/28/16						
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS						
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization			
Model: 7822D			Hammer (lb): NA	09/28/2016		Ground Surface	NA			
Method: Direct Push			Fall (in): NA							
DEPTH (ft)	SAMPLE INFORMATION				SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)			
	#	Pen/Rec (in)	Depth (ft)	Blows/6"			NOTE			
0	S-1	60/23	0-5	NA	0'-3": Asphalt		Asphalt			
1					3"-1.5": Light brown, medium SAND, some coarse Sand, little fine Sand, trace Silt, dry.		0.1			
2					1.5'-3": Medium/dark brown, medium SAND and some fine and coarse Sand, trace Silt, damp.		0.2			
3					3'-4": Medium/dark brown, medium SAND and fine GRAVEL, some coarse and fine Sand, trace Silt, damp.		0.1			
4					4'-7": Medium brown/orange, medium SAND and some coarse Sand, trace Silt and fine Gravel, damp.		0.2			
5	S-2	60/42	5-10	NA			1,2			
6							0.3			
7					7'-8.5": Dark black/grey with multicolor banding, fine grained SILT and fine Sand, wet. Odor.		SILT/SAND			
8							3.1			
9					8.5'-10": Brown/orange, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.		1			
10							0.2			
11					Boring Terminated at 10' bgs.		1,2			
12										
13										
14										
15										
16										
17										
18										
19										
20										
GRANULAR SOILS			COHESIVE SOILS		NOTES					
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.						
0-4	V. LOOSE	<2	V. SOFT							
5-10	LOOSE	2-4	SOFT							
11-30	M. DENSE	4-8	M. STIFF							
31-50	DENSE	8-15	STIFF							
>50	V. DENSE	15-30	V. STIFF							
		>30	HARD							

SOIL BORING LOG								
Client: Hitchiner Manufacturing Co. Inc.				Boring Identification: SB-132				
Project: Elm Street Facility				Sheet: 1 of 1				
Location: 594 Elm Street, Milford, NH				Checked By: MFD				
Drilling Company: Eastern Analytical				Project Number: 7843-000				
Foreman: Brian Law				Boring Location: West of concrete pad (see site plan)				
GeoInsight Engineer/Geologist: Eric D. Johnson				Ground Surface Elevation: not surveyed				
				Datum: NA				
				Date Started: 9/28/16				
				Date Completed: 9/28/16				
DRILLING METHOD		SAMPLER		GROUNDWATER MEASUREMENTS				
Vehicle: GeoProbe			Type: 5' acetate sleeve	Date	Depth (ft)	Reference		
Model: 7822D			Hammer (lb): NA	09/28/2016		Stabilization		
Method: Direct Push			Fall (in): NA			NA		
DEPTH (ft)	SAMPLE INFORMATION				STRATUM DESCRIPTION	FIELD SCREENING (ppm)		
	#	Pen/Rec (in)	Depth (ft)	Blows/6"				
0	S-1	60/21	0-5	NA	0'-3": Asphalt 3"-2": Dark brown, medium SAND, some coarse Sand, little fine Gravel, trace Silt, dry. 2'-4": Light grey/tan/brown, fine to medium SAND, some Silt and fine Gravel, damp. 4'-5": Dark brown, medium to fine SAND, little Silt, trace fine Gravel, damp. 5'-6": Light brown, medium SAND, some coarse Sand, little fine Gravel, trace Silt, damp. 6'-7.25": Grey/dark brown, medium to fine SAND, little Silt, damp. 7.25'-10": Brown/orange, SAND & GRAVEL, some cobble, trace Silt, dry.	ASPHALT		
1						0.1		
2						0.2		
3						0.3		
4						4.8		
5	S-2	60/31	5-10	NA		0.2		
6						0.3		
7						1,2		
8					SAND & GRAVEL	1		
9						0.1		
10						1,2		
11				Boring Terminated at 10' bgs.				
12								
13								
14								
15								
16								
17								
18								
19								
20								
GRANULAR SOILS			COHESIVE SOILS		NOTES			
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.				
0-4	V. LOOSE	<2	V. SOFT					
5-10	LOOSE	2-4	SOFT					
11-30	M. DENSE	4-8	M. STIFF					
31-50	DENSE	8-15	STIFF					
>50	V. DENSE	15-30	V. STIFF					
		>30	HARD					

SOIL BORING LOG									
GeoInsight® Environmental Strategy & Engineering									
Client: Hitchiner Manufacturing Co. Inc.			Boring Identification: SB-133						
Project: Elm Street Facility			Sheet: 1 of 1						
Location: 594 Elm Street, Milford, NH			Checked By: MFD		Project Number: 7843-000				
Drilling Company: Eastern Analytical			Boring Location: Within generator concrete pad (see site plan)						
Foreman: Brian Law			Ground Surface Elevation: not surveyed			Datum: NA			
GeoInsight Engineer/Geologist: Eric D. Johnson			Date Started: 9/28/16		Date Completed: 9/28/16				
DRILLING METHOD		SAMPLER	GROUNDWATER MEASUREMENTS						
Vehicle: GeoProbe		Type: 5' acetate sleeve	Date	Depth (ft)	Reference	Stabilization			
Model: 7822D		Hammer (lb): NA	09/28/2016		Ground Surface	NA			
Method: Direct Push		Fall (in): NA							
DEPTH (ft)	SAMPLE INFORMATION			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)			
#	Pen/Rec (in)	Depth (ft)	Blows/6"						
0	S-1	60/29	0-5	NA	0'-1': Concrete Pad 1'-4': Light brown/tan/orange, medium SAND, some fine Gravel and coarse Sand, trace Silt, dry. 4'-5': Dark brown/black, medium SAND, some fine Sand, little Silt, damp. 5'-7': Grey, fine to medium SAND, very little Silt, damp. 7'-10': Light brown, SAND & GRAVEL, some bedrock cobble, trace Silt, dry.	Concrete SAND SAND & GRAVEL			
1						0.2			
2						1			
3						0.2			
4						1,2			
5	S-2	60/36	5-10	NA		0.2			
6						1			
7						0.2			
8						1,2			
9									
10									
11				Boring Terminated at 10' bgs.					
12									
13									
14									
15									
16									
17									
18									
19									
20									
GRANULAR SOILS		COHESIVE SOILS		NOTES					
Blows/ft.	Density	Blows/ft.	Consistency	1. Soil samples screened in the field with a MiniRae 2000 photoionization detector with a 10.6 eV lamp. 2. Sample collected for analysis of PCBs via USEPA Method 8082.					
0-4	V. LOOSE	<2	V. SOFT						
5-10	LOOSE	2-4	SOFT						
11-30	M. DENSE	4-8	M. STIFF						
31-50	DENSE	8-15	STIFF						
>50	V. DENSE	15-30	V. STIFF						
		>30	HARD						



APPENDIX B
LABORATORY ANALYTICAL REPORTS

Laboratory Report



Absolute Resource associates

124 Heritage Avenue Portsmouth NH 03801

Michael Dacey
GeoInsight, Inc.
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03103

PO Number: None

Job ID: 37954

Date Received: 9/26/16

Project: Hitchiner-Elm St. 7843-000

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

A handwritten signature in black ink that appears to read "Sue Sylvester" followed by "(for)" in parentheses.

Sue Sylvester
Principal, General Manager

Date of Approval: 10/11/2016
Total number of pages: 33

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-100 (4-5')	Solid	9/26/2016 9:05	37954-001	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-100 (6-7')	Solid	9/26/2016 9:07	37954-002	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-100 (9-10')	Solid	9/26/2016 9:10	37954-003	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-101 (4-5')	Solid	9/26/2016 9:36	37954-004	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-101 (6-7')	Solid	9/26/2016 9:39	37954-005	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-101 (9-10')	Solid	9/26/2016 9:42	37954-006	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-102 (5-6')	Solid	9/26/2016 9:55	37954-007	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-102 (6-7')	Solid	9/26/2016 9:58	37954-008	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-102 (9-10')	Solid	9/26/2016 10:01	37954-009	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-103 (4-5')	Solid	9/26/2016 10:14	37954-010	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-103 (6-7')	Solid	9/26/2016 10:17	37954-011	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-103 (9-10')	Solid	9/26/2016 10:20	37954-012	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-104 (4-5')	Solid	9/26/2016 10:46	37954-013	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-104 (6-7.5')	Solid	9/26/2016 10:49	37954-014	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-104 (9-10')	Solid	9/26/2016 10:52	37954-015	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-105 (3-4')	Solid	9/26/2016 11:11	37954-016	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-105 (4-6')	Solid	9/26/2016 11:13	37954-017	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-105 (9-10')	Solid	9/26/2016 11:15	37954-018	

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-105 (9-10')	Solid	9/26/2016 11:15	37954-018	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-106 (4-5')	Solid	9/26/2016 11:33	37954-019	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-106 (6-7')	Solid	9/26/2016 11:35	37954-020	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-106 (9-10')	Solid	9/26/2016 11:39	37954-021	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-107 (4-5')	Solid	9/26/2016 11:52	37954-022	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-107 (6-7')	Solid	9/26/2016 12:02	37954-023	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-107 (9-10')	Solid	9/26/2016 12:04	37954-024	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-108 (3.5-4.5')	Solid	9/26/2016 12:51	37954-025	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-108 (6.5-7.5')	Solid	9/26/2016 12:53	37954-026	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-108 (9-10')	Solid	9/26/2016 12:57	37954-027	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-109 (4.5-5.5')	Solid	9/26/2016 13:15	37954-028	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-109 (6.5-7.5')	Solid	9/26/2016 13:17	37954-029	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-109 (9-10')	Solid	9/26/2016 13:20	37954-030	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-110 (4.5-5.5')	Solid	9/26/2016 13:42	37954-031	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-110 (6.5-7.5')	Solid	9/26/2016 13:44	37954-032	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-110 (9-10')	Solid	9/26/2016 13:47	37954-033	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-111 (4.5')	Solid	9/26/2016 14:05	37954-034	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-111 (5-7')	Solid	9/26/2016 14:08	37954-035	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-111 (5-7')	Solid	9/26/2016 14:08	37954-035	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-111 (9-10')	Solid	9/26/2016 14:10	37954-036	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-112 (4-5')	Solid	9/26/2016 14:42	37954-037	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-112 (6-7')	Solid	9/26/2016 14:45	37954-038	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-112 (9-10')	Solid	9/26/2016 14:48	37954-039	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-001

Sample ID: SB-100 (4-5')

Matrix: Solid

Percent Dry: 91.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:05		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		35	30-150	%	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A
decachlorobiphenyl SUR		42	30-150	%	1	JZL	9/26/16	9078	9/28/16	14:26	SW3540C8082A

Sample#: 37954-002

Sample ID: SB-100 (6-7')

Matrix: Solid

Percent Dry: 94% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:07		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		57	30-150	%	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A
decachlorobiphenyl SUR		68	30-150	%	1	JZL	9/26/16	9078	9/28/16	14:41	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-003

Sample ID: SB-100 (9-10')

Matrix: Solid

Percent Dry: 97.2% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:10		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
PCB-1221		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
PCB-1232		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
PCB-1242		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
PCB-1248		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
PCB-1254		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
PCB-1260		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		67	30-150	%	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A
decachlorobiphenyl SUR		75	30-150	%	1	JZL	9/26/16	9078	9/28/16	14:56	SW3540C8082A

Sample#: 37954-004

Sample ID: SB-101 (4-5')

Matrix: Solid

Percent Dry: 95.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:36		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		55	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A
decachlorobiphenyl SUR		67	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:12	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-005

Sample ID: SB-101 (6-7')

Matrix: Solid

Percent Dry: 87.5% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:39		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		54	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A
decachlorobiphenyl SUR		59	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:27	SW3540C8082A

Sample#: 37954-006

Sample ID: SB-101 (9-10')

Matrix: Solid

Percent Dry: 98.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:42		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
PCB-1221		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
PCB-1232		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
PCB-1242		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
PCB-1248		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
PCB-1254		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
PCB-1260		< 0.1	0.1	ug/g	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		58	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A
decachlorobiphenyl SUR		76	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:42	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-007

Sample ID: SB-102 (5-6')

Matrix: Solid

Percent Dry: 94.9% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:55		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR		69	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A
decachlorobiphenyl SUR		70	30-150	%	1	JZL	9/26/16	9078	9/28/16	15:58	SW3540C8082A

Sample#: 37954-008

Sample ID: SB-102 (6-7')

Matrix: Solid

Percent Dry: 97% Results expressed on a dry weight basis.

Sampled: 9/26/16 9:58		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR		48	30-150	%	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A
decachlorobiphenyl SUR		53	30-150	%	1	JZL	9/27/16	9078	9/28/16	17:39	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-009

Sample ID: SB-102 (9-10')

Matrix: Solid

Percent Dry: 97.2% Results expressed on a dry weight basis.

Sampled: 9/26/16 10:01		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR										
	68	30-150	%	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A
decachlorobiphenyl SUR										
	77	30-150	%	1	JZL	9/27/16	9078	9/28/16	17:55	SW3540C8082A

Sample#: 37954-010

Sample ID: SB-103 (4-5')

Matrix: Solid

Percent Dry: 95.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 10:14		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR										
	78	30-150	%	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A
decachlorobiphenyl SUR										
	90	30-150	%	1	JZL	9/27/16	9078	9/28/16	18:10	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-011

Sample ID: SB-103 (6-7')

Matrix: Solid

Percent Dry: 94% Results expressed on a dry weight basis.

Sampled: 9/26/16 10:17		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		71	30-150	%	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A
decachlorobiphenyl SUR		70	30-150	%	1	JZL	9/27/16	9078	9/28/16	18:55	SW3540C8082A

Sample#: 37954-012

Sample ID: SB-103 (9-10')

Matrix: Solid

Percent Dry: 96.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 10:20		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		74	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A
decachlorobiphenyl SUR		82	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:11	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-013

Sample ID: SB-104 (4-5')

Matrix: Solid

Percent Dry: 94% Results expressed on a dry weight basis.

Sampled: 9/26/16 10:46		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		75	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A
decachlorobiphenyl SUR		84	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:26	SW3540C8082A

Sample#: 37954-014

Sample ID: SB-104 (6-7.5')

Matrix: Solid

Percent Dry: 95% Results expressed on a dry weight basis.

Sampled: 9/26/16 10:49		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		78	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A
decachlorobiphenyl SUR		80	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:41	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-015

Sample ID: SB-104 (9-10')

Matrix: Solid

Percent Dry: 97.5% Results expressed on a dry weight basis.

Sampled: 9/26/16 10:52		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
PCB-1221		< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
PCB-1232		< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
PCB-1242		< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
PCB-1248		< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
PCB-1254		< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
PCB-1260		< 0.1	0.1	ug/g	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		62	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A
decachlorobiphenyl SUR		74	30-150	%	1	JZL	9/27/16	9078	9/28/16	19:57	SW3540C8082A

Sample#: 37954-016

Sample ID: SB-105 (3-4')

Matrix: Solid

Percent Dry: 98% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:11		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1254		0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		87	30-150	%	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
decachlorobiphenyl SUR		93	30-150	%	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-017

Sample ID: SB-105 (4-6')

Matrix: Solid

Percent Dry: 97.1% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:13		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1221	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1232	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1242	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1248	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1254	4.8	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1260	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	104	30-150	%	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
decachlorobiphenyl SUR	115	30-150	%	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A

Sample#: 37954-018

Sample ID: SB-105 (9-10')

Matrix: Solid

Percent Dry: 97.9% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:15		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	48	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A
decachlorobiphenyl SUR	55	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:14	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-019

Sample ID: SB-106 (4-5')

Matrix: Solid

Percent Dry: 75% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:33		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1254		0.3	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		69	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
decachlorobiphenyl SUR		71	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A

Sample#: 37954-020

Sample ID: SB-106 (6-7')

Matrix: Solid

Percent Dry: 93.9% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:35		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1254		0.9	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		49	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
decachlorobiphenyl SUR		56	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-021

Sample ID: SB-106 (9-10')

Matrix: Solid

Percent Dry: 97.6% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:39		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
PCB-1221		< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
PCB-1232		< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
PCB-1242		< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
PCB-1248		< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
PCB-1254		< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
PCB-1260		< 0.1	0.1	ug/g	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		82	30-150	%	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A
decachlorobiphenyl SUR		95	30-150	%	1	JZL	9/28/16	9081	9/30/16	12:04	SW3540C8082A

Sample#: 37954-022

Sample ID: SB-107 (4-5')

Matrix: Solid

Percent Dry: 95.7% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:52		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		51	30-150	%	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A
decachlorobiphenyl SUR		58	30-150	%	1	JZL	9/28/16	9081	9/30/16	12:20	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-023

Sample ID: SB-107 (6-7')

Matrix: Solid

Percent Dry: 95.9% Results expressed on a dry weight basis.

Sampled: 9/26/16 12:02		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		62	30-150	%	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A
decachlorobiphenyl SUR		68	30-150	%	1	JZL	9/28/16	9081	10/4/16	15:25	SW3540C8082A

Sample#: 37954-024

Sample ID: SB-107 (9-10')

Matrix: Solid

Percent Dry: 97.5% Results expressed on a dry weight basis.

Sampled: 9/26/16 12:04		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		77	30-150	%	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A
decachlorobiphenyl SUR		93	30-150	%	1	JZL	9/28/16	9081	9/30/16	12:50	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-025

Sample ID: SB-108 (3.5-4.5')

Matrix: Solid

Percent Dry: 96.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 12:51		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		73	30-150	%	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A
decachlorobiphenyl SUR		71	30-150	%	1	JZL	9/29/16	9081	10/3/16	11:33	SW3540C8082A

Sample#: 37954-026

Sample ID: SB-108 (6.5-7.5')

Matrix: Solid

Percent Dry: 92.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 12:53		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1254		1.0	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		64	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
decachlorobiphenyl SUR		78	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-027

Sample ID: SB-108 (9-10')

Matrix: Solid

Percent Dry: 96.6% Results expressed on a dry weight basis.

Sampled: 9/26/16 12:57		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1221		< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1232		< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1242		< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1248		< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1254		0.3	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1260		< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		74	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
decachlorobiphenyl SUR		58	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A

Sample#: 37954-028

Sample ID: SB-109 (4.5-5.5')

Matrix: Solid

Percent Dry: 94.6% Results expressed on a dry weight basis.

Sampled: 9/26/16 13:15		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		88	30-150	%	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A
decachlorobiphenyl SUR		102	30-150	%	1	JZL	9/29/16	9081	10/3/16	12:19	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-029

Sample ID: SB-109 (6.5-7.5')

Matrix: Solid

Percent Dry: 88.1% Results expressed on a dry weight basis.

Sampled: 9/26/16 13:17		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		76	30-150	%	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A
decachlorobiphenyl SUR		83	30-150	%	1	JZL	9/29/16	9081	10/3/16	12:34	SW3540C8082A

Sample#: 37954-030

Sample ID: SB-109 (9-10')

Matrix: Solid

Percent Dry: 98.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 13:20		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		80	30-150	%	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A
decachlorobiphenyl SUR		82	30-150	%	1	JZL	9/29/16	9081	10/3/16	14:36	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-031

Sample ID: SB-110 (4.5-5.5')

Matrix: Solid

Percent Dry: 97.1% Results expressed on a dry weight basis.

Sampled: 9/26/16 13:42		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	77	30-150	%	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A
decachlorobiphenyl SUR	85	30-150	%	1	JZL	9/29/16	9081	10/3/16	14:51	SW3540C8082A

Sample#: 37954-032

Sample ID: SB-110 (6.5-7.5')

Matrix: Solid

Percent Dry: 83.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 13:44		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
PCB-1254	1.4	0.2	ug/g	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
PCB-1260	0.5	0.2	ug/g	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	76	30-150	%	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A
decachlorobiphenyl SUR	79	30-150	%	1	JZL	9/29/16	9081	10/5/16	14:02	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-033

Sample ID: SB-110 (9-10')

Matrix: Solid

Percent Dry: 96.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 13:47		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
Surrogate Recovery										
	Limits									
tetrachloro-m-xylene SUR	61	30-150	%	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A
decachlorobiphenyl SUR	77	30-150	%	1	JZL	9/29/16	9081	10/3/16	15:22	SW3540C8082A

Sample#: 37954-034

Sample ID: SB-111 (4.5')

Matrix: Solid

Percent Dry: 97.1% Results expressed on a dry weight basis.

Sampled: 9/26/16 14:05		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
Surrogate Recovery										
	Limits									
tetrachloro-m-xylene SUR	73	30-150	%	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A
decachlorobiphenyl SUR	92	30-150	%	1	JZL	9/29/16	9081	10/3/16	15:38	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-035

Sample ID: SB-111 (5-7')

Matrix: Solid

Percent Dry: 84.7% Results expressed on a dry weight basis.

Sampled: 9/26/16 14:08		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		74	30-150	%	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A
decachlorobiphenyl SUR		85	30-150	%	1	JZL	9/30/16	9089	10/3/16	15:55	SW3540C8082A

Sample#: 37954-035

Sample ID: SB-111 (9-10')

Matrix: Solid

Percent Dry: 94.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 14:10		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		73	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A
decachlorobiphenyl SUR		92	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:10	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-037

Sample ID: SB-112 (4-5')

Matrix: Solid

Percent Dry: 82.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 14:42		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		69	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A
decachlorobiphenyl SUR		90	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:26	SW3540C8082A

Sample#: 37954-038

Sample ID: SB-112 (6-7')

Matrix: Solid

Percent Dry: 95.5% Results expressed on a dry weight basis.

Sampled: 9/26/16 14:45		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		73	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A
decachlorobiphenyl SUR		92	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:41	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-039

Sample ID: SB-112 (9-10')

Matrix: Solid

Percent Dry: 96.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 14:48		Reporting		Instr	Dil'n	Prep	Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
Surrogate Recovery											
tetrachloro-m-xylene SUR	73	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	
decachlorobiphenyl SUR	85	30-150	%	1	JZL	9/30/16	9089	10/3/16	16:56	SW3540C8082A	

Quality Control Report



124 Heritage Avenue Unit 16
Portsmouth, NH 03801
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Case Narrative
Lab # 37954

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 1 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration

No exceptions noted.

Method Blank

No exceptions noted.

Surrogate Recoveries

No exceptions noted.

Laboratory Control Sample Results

PCB: The relative percent difference between the LCS and LCSD9081 was outside the acceptance criteria for PCB-1016 and PCB-1260. The percent recovery for these analytes in each QC parameter was within the acceptance criteria. No impact to the data suspected.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

Reporting Limits: Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

- QC Report -

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9078	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		31	%			30	150	
		decachlorobiphenyl SUR		36	%			30	150	
SW3540C8082A	LCS9078	PCB-1016		0.9	ug/g	2	46	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.0	ug/g	2	52	40	140	
		tetrachloro-m-xylene SUR		45	%			30	150	
		decachlorobiphenyl SUR		56	%			30	150	
SW3540C8082A	LCSD9078	PCB-1016		1.0	ug/g	2	51	40	140	11
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.2	ug/g	2	58	40	140	10
		tetrachloro-m-xylene SUR		54	%			30	150	
		decachlorobiphenyl SUR		61	%			30	150	

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9081	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		73	%			30	150	
		decachlorobiphenyl SUR		84	%			30	150	
SW3540C8082A	LCS9081	PCB-1016		1.1	ug/g	2	53	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.2	ug/g	2	60	40	140	
		tetrachloro-m-xylene SUR		51	%			30	150	
		decachlorobiphenyl SUR		69	%			30	150	
SW3540C8082A	LCSD9081	PCB-1016		1.6	ug/g	2	79	40	140	39 *
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.8	ug/g	2	88	40	140	38 *
		tetrachloro-m-xylene SUR		80	%			30	150	
		decachlorobiphenyl SUR		95	%			30	150	

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9089	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		71	%			30	150	
		decachlorobiphenyl SUR		85	%			30	150	
SW3540C8082A	LCS9089	PCB-1016		1.4	ug/g	2	69	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.4	ug/g	2	72	40	140	
		tetrachloro-m-xylene SUR		67	%			30	150	
		decachlorobiphenyl SUR		76	%			30	150	
SW3540C8082A	LCSD9089	PCB-1016		1.2	ug/g	2	62	40	140	11 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.3	ug/g	2	67	40	140	7 30
		tetrachloro-m-xylene SUR		57	%			30	150	
		decachlorobiphenyl SUR		68	%			30	150	



Absolute Resource associates

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CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

PAGE 1 OF 4

37954

Company Name: <i>GeoInsight</i>				Project Name: <i>Pitchiner-Elm st</i>									
Company Address: <i>186 Granite St. Manchester, NH</i>				Project #: <i>7843-000</i>									
Report To: <i>Mike Davey</i>				Project Location: <input checked="" type="checkbox"/> NH MA ME <input type="checkbox"/> VT NY <input type="checkbox"/> Other									
Phone #: <i>603-314-0820</i>				Protocol: <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> SDWA <input type="checkbox"/> NPDES <input type="checkbox"/> MCP <input type="checkbox"/> NHDES <input type="checkbox"/> OTHER									
Invoice to: <i>Admin</i>				Reporting Limits: <input type="checkbox"/> QAPP <input type="checkbox"/> GW-1 <input type="checkbox"/> S-1 <input type="checkbox"/> EPA DW <input type="checkbox"/> Other									
				Quote # <input type="checkbox"/> NH Reimbursement <input type="checkbox"/> Pricing PO # <input type="checkbox"/>									
Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix	Preservation Method		Sampling							
				WATER	SOLID	OTHER	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME
9544-01	SB-100 (4-5')	1	X							9/26/16	9:05	X	
-02	SB-100 (6-7')	1	X							9/26/16	9:07	X	
-03	SB-100 (9-10)	1	X							9/26/16	9:10	X	
-04	SB-101 (4-5')	1	X							9/26/16	9:36	X	
-05	SB-101 (6-7')	1	X							9/26/16	9:39	X	
-06	SB-101 (9-10)	1	X							9/26/16	9:42	X	
-07	SB-102 (5-6')	1	X							9/26/16	9:55	X	
-08	SB-102 (6-7')	1	X							9/26/16	9:58	X	
-09	SB-102 (9-10)	1	X							9/26/16	10:01	X	
-10	SB-103 (4-5')	1	X							9/26/16	10:14	X	
-11	SB-103 (6-7)	1	X							9/26/16	10:17	X	
TAT REQUESTED		See absoluterourceassociates.com for sample acceptance policy and current accreditation lists.						SPECIAL INSTRUCTIONS <i>Please run PCB samples using Soxhlet extraction method</i>					
Priority (24 hr)* <input type="checkbox"/>		Expedited (48 hr)* <input type="checkbox"/>						Standard (10 Business Days) <input type="checkbox"/>					
*Date Needed <i>5 day</i>		REPORTING INSTRUCTIONS <input type="checkbox"/> PDF (e-mail address) _____ <input type="checkbox"/> HARD COPY REQUIRED <input type="checkbox"/> EDD _____						RECEIVED ON ICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO TEMPERATURE _____ °C					
CUSTODY RECORD		Relinquished by Sampler: <i>E D-J</i>				Date <i>9/26/16</i>	Time <i>15:05</i>	Received by: <i>Mike Davey</i>				Date <i>9/26/16</i>	Time <i>15:05</i>
		Relinquished by: <i>Mike Davey</i>				Date <i>9/26/16</i>	Time <i>16:35</i>	Received by: <i>Mike Davey</i>				Date <i>9/26/16</i>	Time <i>16:35</i>
		Relinquished by: <i>Mike Davey</i>				Date <i>9/26/16</i>	Time <i>16:35</i>	Received by Laboratory: <i>Mike Davey</i>				Date <i>9/26/16</i>	Time <i>16:35</i>



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluterourceassociates.com

Company Name:
GeoInsight, Inc.
Company Address:
186 Granite St
Report To:
Mike Dacey
Phone #:
603-314-0820
Invoice to:
Admin
 Email:
 Hard Copy Invoice Required

Project Name:
Hitchner - Elm St
Project #: 7843-000
Project Location: NH MA ME
VT NY Other
Protocol: RCRA SDWA NPDES
MCP NHDES OTHER
Reporting QAPP GW-1 S-1
Limits: EPA DW Other
Quote # _____ NH Reimbursement
PO # _____ Pricing

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method			Sampling				
			WATER	SOLID	OTHER	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME	SAMPLER
37954-12	SB-103 (9-10)	1		X							9/26/16	10:20	E8
13	SB-104 (4-5)	1		X							9/26/16	10:46	E8
14	SB-104 (6-7.5)	1		X							9/26/16	10:49	E8
15	SB-104 (9-10)	1		X							9/26/16	10:52	E8
16	SB-105 (3-4)	1		X							9/26/16	11:11	E8
17	SB-105 (4-6)	1		X							9/26/16	11:13	E8
18	SB-105 (9-10)	1		X							9/26/16	11:18	E8
19	SB-106 (4-5)	1		X							9/26/16	11:33	E8
20	SB-106 (6-7)	1		X							9/26/16	11:35	E8
21	SB-106 (9-10)	1		X							9/26/16	11:39	E8
22	SB-107 (4-5)	1		X							9/26/16	11:52	E8

TAT REQUESTED Priority (24 hr)* Expedited (48 hr)* Standard (10 Business Days)*Date Needed 5 DaySee absoluterourceassociates.com
for sample acceptance policy and
current accreditation lists.**SPECIAL INSTRUCTIONS**

Please run PCB samples w/ Soxhlet extraction method

REPORTING INSTRUCTIONS PDF (e-mail address) MF.Dacey@geoinc.com HARD COPY REQUIRED EDD RECEIVED ON ICE YES NOTEMPERATURE 1 °C**CUSTODY RECORD**

OSD-01 Revision 8/1/16

Relinquished by Sampler:

In D. Dace

Relinquished by:

In D. Dace

Relinquished by:

In D. DaceDate 9/26/16 Time 15:05Date Time Date Time Date Time Date Time

Received by:

Mike Dacey

Received by:

Mike Dacey

Received by Laboratory:

Jane JohnsonDate 9/26/16 Time 15:05Date Time Date Time Date Time Date Time

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G

G G G G G G G G G G G G G G G G G G



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteressourcesassociates.com

Company Name:
GeoInsight, Inc

Company Address:
186 Granite St Manchester, NH

Report To:
Mike Dacey

Phone #:
603-314-0820

Invoice to:
Admin

Email:

Hard Copy Invoice Required

Project Name:
Hitchner- Elm St

Project #: 7843

Project Location: NH MA ME
VT NY Other

Protocol: RCRA SDWA NPDES
MCP NHDES OTHER

Reporting QAPP GW-1 S-1
Limits: EPA DW Other

Quote # NH Reimbursement
Pricing

PO #

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

<input type="checkbox"/> VOC 8260	<input type="checkbox"/> VOC 8260 NHDES	<input type="checkbox"/> VOC 8260 MADEP
<input type="checkbox"/> VOC 624	<input type="checkbox"/> VOC BTEX	<input type="checkbox"/> MIBI, only
<input type="checkbox"/> VPH MADEP	<input type="checkbox"/> GRO 8015	<input type="checkbox"/> 1,4-Dioxane
<input type="checkbox"/> VOC 524.2	<input type="checkbox"/> VOC 524.2 NH List	<input type="checkbox"/> Gases-List:
<input type="checkbox"/> TPH	<input type="checkbox"/> DRO 8015	<input type="checkbox"/> EPH MADEP
<input type="checkbox"/> 8270PAH	<input type="checkbox"/> 8270ABN	<input type="checkbox"/> TPH Fingerprint
<input type="checkbox"/> 8082 PCB	<input type="checkbox"/> 8081 Pesticides	<input type="checkbox"/> 608 Pest/PCB
<input type="checkbox"/> O&G 1664	<input type="checkbox"/> Mineral O&G SM5520F	
<input type="checkbox"/> pH	<input type="checkbox"/> BOD	<input type="checkbox"/> Conductivity
<input type="checkbox"/> TSS	<input type="checkbox"/> TDS	<input type="checkbox"/> TS
<input type="checkbox"/> RCR Metals	<input type="checkbox"/> Priority Pollutant Metals	<input type="checkbox"/> TAL Metals
<input type="checkbox"/> Total Metals-List:		
<input type="checkbox"/> Dissolved Metals-List:		
<input type="checkbox"/> Ammonia	<input type="checkbox"/> COD	<input type="checkbox"/> TKN
<input type="checkbox"/> T-Phosphorus	<input type="checkbox"/> Phenols	<input type="checkbox"/> Bacteria PA
<input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Nitrate + Nitrite
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Chloride
<input type="checkbox"/> Fluoride	<input type="checkbox"/> Sulfate	<input type="checkbox"/> Bromide
<input type="checkbox"/> Corrosivity	<input type="checkbox"/> Reactive CN	<input type="checkbox"/> Reactive S- <input type="checkbox"/> Ignitability/FP
<input type="checkbox"/> TCLP Metals	<input type="checkbox"/> TCLP VOC	<input type="checkbox"/> TCLP SVOC
<input type="checkbox"/> Subcontract:	<input type="checkbox"/> Grain Size	<input type="checkbox"/> Herbicides
<input type="checkbox"/> Hard Copy Invoice Required	<input type="checkbox"/> Composite (C)	<input type="checkbox"/> Grab (g) or Composite (C)

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method	Sampling							
			WATER	SOLID	OTHER		HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME	SAMPLER
3705423	SB-107 (6-7)	1		X								9/26/16	12:02	E8
24	SB-107 (9-10)	1		X								9/26/16	12:04	E8
25	SB-108 (3.5-4.5)	1		X								9/26/16	12:51	E8
-26	SB-108 (6.5-7.5)	1		X								9/26/16	12:53	E8
-27	SB-108 (9-10)	1		X								9/26/16	12:57	E8
-28	SB-109 (4.5-5.5)	1		X								9/26/16	13:15	E8
-29	SB-109 (6.5-7.5)	1		X								9/26/16	13:17	E8
-30	SB-109 (9-10)	1		X								9/26/16	13:20	E8
-31	SB-110 (4.5-5.5)	1		X								9/26/16	13:42	E8
-32	SB-110 (6.5-7.5)	1		X								9/26/16	13:44	E8
-33	SB-110 (9-10)	1		X								9/26/16	13:47	E8

TAT REQUESTED

Priority (24 hr)*

Expedited (48 hr)*

Standard (10 Business Days)

*Date Needed 5 Day

See absoluteressourcesassociates.com
for sample acceptance policy and
current accreditation lists.

SPECIAL INSTRUCTIONS

Please run Soxhlet extraction on PCB samples

REPORTING INSTRUCTIONS

HARD COPY REQUIRED EDD

PDF (e-mail address) MFDacey@geoinc.com

RECEIVED ON ICE YES NO

TEMPERATURE 1 °C

CUSTODY RECORD

QSD-01 Revision 8/1/16

Relinquished by Sampler: <u>Mike Dacey</u>	Date <u>9/26/16</u> Time <u>15:05</u>	Received by: <u>Mike Dacey</u>	Date <u>9/26/16</u> Time <u>15:05</u>
Relinquished by: <u>Mike Dacey</u>	Date <u></u> Time <u></u>	Received by: <u>Mike Dacey</u>	Date <u></u> Time <u></u>
Relinquished by: <u>Mike Dacey</u>	Date <u>9/26/16</u> Time <u>16:35</u>	Received by Laboratory: <u>Jung J Kim</u>	Date <u>9/26/16</u> Time <u>16:33</u>



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteressourcesassociates.com

Company Name:
GeoInsight, Inc.

Company Address:
186 Granite St

Report To:
Mike Dacey

Phone #:
603-314-0820

Invoice to:
Admin

Email:
 Hard Copy Invoice Required

Project Name: <u>Hitchner- Elm st</u>									
Project #: <u>7843-000</u>									
Project Location: <u>NH MA ME</u> <u>VT NY</u> Other									
Protocol: RCRA SDWA NPDES MCP NHDES OTHER									
Reporting QAPP GW-1 S-1 Limits: EPA DW Other									
Quote # <u>NH Reimbursement</u> Pricing									
PO # <u></u>									

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method			Sampling				
			WATER	SOLID	OTHER	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME	SAMPLER
378543	SB-111 (4.5)	1		X							9/26/16	14:05	C8
-35	SB-111 (5-7)	1		X							9/26/16	14:08	C8
-36	SB-111 (9-10)	1		X							9/26/16	14:10	C8
-37	SB-112 (4-5)	1		X							9/26/16	14:42	C8
-38	SB-112 (6-7)	1		X							9/26/16	14:45	C8
-39	SB-112 (9-10)	1		X							9/26/16	14:48	C8

TAT REQUESTED	See absoluteressourcesassociates.com for sample acceptance policy and current accreditation lists.		SPECIAL INSTRUCTIONS			
Priority (24 hr)*	<input type="checkbox"/>	Expedited (48 hr)*	<input type="checkbox"/>	Standard (10 Business Days)	<input type="checkbox"/>	
*Date Needed	<u>5 Day</u>		Please run Soxhlet extraction on PCB Samples			
REPORTING INSTRUCTIONS			PDF (e-mail address) <u>MFDacey@geoinc.com</u>		RECEIVED ON ICE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<input type="checkbox"/> HARD COPY REQUIRED <input type="checkbox"/> EDD					TEMPERATURE	

CUSTODY RECORD	Relinquished by Sampler: <u>Mike D. Dacey</u>	Date <u>9/26/16</u> Time <u>15:05</u>	Received by: <u>Mike D. Dacey</u>	Date <u>9/26/16</u> Time <u>15:05</u>
	Relinquished by:	Date _____ Time _____	Received by:	Date _____ Time _____
	Relinquished by: <u>Mike D. Dacey</u>	Date <u>9/26/16</u> Time <u>16:35</u>	Received by Laboratory: <u>Mike D. Dacey</u>	Date <u>9/26/16</u> Time <u>16:35</u>

Laboratory Report



Absolute Resource associates

124 Heritage Avenue Portsmouth NH 03801

Michael Dacey

GeoInsight, Inc.

186 Granite Street

3rd Floor, Suite A

Manchester, NH 03103

PO Number: None

Job ID: 37970

Date Received: 9/27/16

Project: Hitchiner-Elm St. 7843-000

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

A handwritten signature in cursive script that appears to read "Sue Sylvester" followed by "(for)" in parentheses.

Sue Sylvester
Principal, General Manager

Date of Approval: 10/17/2016

Total number of pages: 38

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-113 (4-5)	Solid	9/26/2016 15:23	37970-001	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-113 (6-7)	Solid	9/26/2016 15:26	37970-002	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-113 (9-10)	Solid	9/26/2016 15:30	37970-003	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-114 (4-5)	Solid	9/26/2016 16:03	37970-004	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-114 (6-7)	Solid	9/26/2016 16:05	37970-005	PCBs in soil by 8082 PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-114 (9-10)	Solid	9/26/2016 16:08	37970-006	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-115 (4.5-6)	Solid	9/26/2016 16:30	37970-007	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-115 (7.5-8.5)	Solid	9/26/2016 16:32	37970-008	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-115 (9-10)	Solid	9/26/2016 16:34	37970-009	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-116 (4-5)	Solid	9/27/2016 9:05	37970-010	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-116 (6.5-9)	Solid	9/27/2016 9:07	37970-011	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-116 (9-10)	Solid	9/27/2016 9:09	37970-012	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-117 (4-5)	Solid	9/27/2016 9:40	37970-013	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-117 (6-8)	Solid	9/27/2016 9:42	37970-014	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-117 (9-10)	Solid	9/27/2016 9:44	37970-015	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-118 (4-5)	Solid	9/27/2016 10:02	37970-016	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-118 (6-7)	Solid	9/27/2016 10:04	37970-017	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-118 (9-10)	Solid	9/27/2016 10:06	37970-018	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-119 (4-5)	Solid	9/27/2016 10:33	37970-019	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-119 (6.75-8.75)	Solid	9/27/2016 10:35	37970-020	PCBs in soil by 8082 PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-119 (9-10)	Solid	9/27/2016 10:39	37970-021	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-120 (4-5)	Solid	9/27/2016 10:58	37970-022	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-120 (5-6.25)	Solid	9/27/2016 11:00	37970-023	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-120 (9-10)	Solid	9/27/2016 11:03	37970-024	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-121 (4-5)	Solid	9/27/2016 11:31	37970-025	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-121 (5.5-8.5)	Solid	9/27/2016 11:34	37970-026	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-121 (9-10)	Solid	9/27/2016 11:37	37970-027	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-122 (4-5)	Solid	9/27/2016 11:49	37970-028	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-122 (6-7.5)	Solid	9/27/2016 11:53	37970-029	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-122 (9-10)	Solid	9/27/2016 11:56	37970-030	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-123 (4-5)	Solid	9/27/2016 12:48	37970-031	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-123 (6.25-7.75)	Solid	9/27/2016 12:51	37970-032	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-123 (9-10)	Solid	9/27/2016 12:53	37970-033	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-124 (4-5)	Solid	9/27/2016 13:20	37970-034	PCBs in soil by 8082

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-124 (4-5)	Solid	9/27/2016 13:20	37970-034	Percent Dry Matter for Sample Calc by SM2540B,G
SB-124 (6-7.5)	Solid	9/27/2016 13:23	37970-035	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-124 (9-10)	Solid	9/27/2016 13:25	37970-036	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-125 (4-5)	Solid	9/27/2016 14:06	37970-037	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-125 (6-7.5)	Solid	9/27/2016 14:09	37970-038	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-125 (7.5-9)	Solid	9/27/2016 14:12	37970-039	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-125 (9-10)	Solid	9/27/2016 14:15	37970-040	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-126 (4-5)	Solid	9/27/2016 14:37	37970-041	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-126 (6.5-9)	Solid	9/27/2016 14:39	37970-042	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-126 (9-10)	Solid	9/27/2016 14:41	37970-043	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-127 (4-5)	Solid	9/27/2016 15:05	37970-044	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-127 (6-7)	Solid	9/27/2016 15:12	37970-045	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-127 (9-10)	Solid	9/27/2016 15:15	37970-046	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-001

Sample ID: SB-113 (4-5)

Matrix: Solid

Percent Dry: 96.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 15:23		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	71	30-150	%	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A
decachlorobiphenyl SUR	93	30-150	%	1	JZL	9/30/16	9089	10/3/16	18:08	SW3540C8082A

Sample#: 37970-002

Sample ID: SB-113 (6-7)

Matrix: Solid

Percent Dry: 87.8% Results expressed on a dry weight basis.

Sampled: 9/26/16 15:26		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	57	30-150	%	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A
decachlorobiphenyl SUR	69	30-150	%	1	JZL	9/30/16	9089	10/3/16	18:23	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-003

Sample ID: SB-113 (9-10)

Matrix: Solid

Percent Dry: 96.1% Results expressed on a dry weight basis.

Sampled: 9/26/16 15:30		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR										
	59	30-150	%	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A
decachlorobiphenyl SUR										
	81	30-150	%	1	JZL	10/1/16	9089	10/3/16	18:39	SW3540C8082A

Sample#: 37970-004

Sample ID: SB-114 (4-5)

Matrix: Solid

Percent Dry: 96.3% Results expressed on a dry weight basis.

Sampled: 9/26/16 16:03		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR										
	71	30-150	%	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A
decachlorobiphenyl SUR										
	90	30-150	%	1	JZL	10/1/16	9089	10/3/16	18:54	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-005

Sample ID: SB-114 (6-7)

Matrix: Solid

Percent Dry: 75.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 16:05		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1254	2.9	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1260	1.9	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	98	30-150	%	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
decachlorobiphenyl SUR	101	30-150	%	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A

Sample#: 37970-006

Sample ID: SB-114 (9-10)

Matrix: Solid

Percent Dry: 95.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 16:08		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.7	0.7	ug/g	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
PCB-1221	< 0.7	0.7	ug/g	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
PCB-1232	< 0.7	0.7	ug/g	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
PCB-1242	< 0.7	0.7	ug/g	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
PCB-1248	< 0.7	0.7	ug/g	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
PCB-1254	< 0.7	0.7	ug/g	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
PCB-1260	< 0.7	0.7	ug/g	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	78	30-150	%	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A
decachlorobiphenyl SUR	99	30-150	%	1	JZL	10/1/16	9089	10/3/16	19:25	SW3540C8082A

Note: Elevated reporting limit due to matrix interference.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-007

Sample ID: SB-115 (4.5-6)

Matrix: Solid

Percent Dry: 97% Results expressed on a dry weight basis.

Sampled: 9/26/16 16:30		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	70	30-150	%	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A
decachlorobiphenyl SUR	90	30-150	%	1	JZL	10/1/16	9089	10/3/16	19:40	SW3540C8082A

Sample#: 37970-008

Sample ID: SB-115 (7.5-8.5)

Matrix: Solid

Percent Dry: 89.4% Results expressed on a dry weight basis.

Sampled: 9/26/16 16:32		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 4.0	4.0	ug/g	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
PCB-1221	< 4.0	4.0	ug/g	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
PCB-1232	< 4.0	4.0	ug/g	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
PCB-1242	< 4.0	4.0	ug/g	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
PCB-1248	< 4.0	4.0	ug/g	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
PCB-1254	5.9	4.0	ug/g	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
PCB-1260	9.7	4.0	ug/g	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	110	30-150	%	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A
decachlorobiphenyl SUR	130	30-150	%	5	JZL	10/1/16	9089	10/7/16	21:03	SW3540C8082A

Note: Elevated reporting limit due to matrix interference.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-009

Sample ID: SB-115 (9-10)

Matrix: Solid

Percent Dry: 94.9% Results expressed on a dry weight basis.

Sampled: 9/26/16 16:34		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
PCB-1260	0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	60	30-150	%	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A
decachlorobiphenyl SUR	69	30-150	%	1	JZL	10/1/16	9089	10/5/16	14:58	SW3540C8082A

Sample#: 37970-010

Sample ID: SB-116 (4-5)

Matrix: Solid

Percent Dry: 92.7% Results expressed on a dry weight basis.

Sampled: 9/27/16 9:05		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.9	0.9	ug/g	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
PCB-1221	< 0.9	0.9	ug/g	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
PCB-1232	< 0.9	0.9	ug/g	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
PCB-1242	< 0.9	0.9	ug/g	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
PCB-1248	< 0.9	0.9	ug/g	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
PCB-1254	< 0.9	0.9	ug/g	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
PCB-1260	< 0.9	0.9	ug/g	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	74	30-150	%	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A
decachlorobiphenyl SUR	83	30-150	%	1	JZL	10/1/16	9089	10/3/16	20:26	SW3540C8082A

Note: Elevated reporting limit due to matrix interference.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-011

Sample ID: SB-116 (6.5-9)

Matrix: Solid Percent Dry: 76.8% Results expressed on a dry weight basis.

Sampled: 9/27/16 9:07		Reporting	Instr	Dil'n	Prep	Analysis					
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference	
PCB-1016	< 3.2	3.2	ug/g	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
PCB-1221	< 3.2	3.2	ug/g	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
PCB-1232	< 3.2	3.2	ug/g	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
PCB-1242	< 3.2	3.2	ug/g	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
PCB-1248	< 3.2	3.2	ug/g	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
PCB-1254	4.2	3.2	ug/g	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
PCB-1260	14	3.2	ug/g	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR	102	30-150	%	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	
decachlorobiphenyl SUR	115	30-150	%	5	JZL	10/1/16	9089	10/7/16	21:49	SW3540C8082A	

Note: Elevated reporting limit due to matrix interference.

Sample#: 37970-012

Sample ID: SB-116 (9-10)

Matrix: Solid Percent Dry: 95% Results expressed on a dry weight basis.

Sampled: 9/27/16 9:09		Reporting	Instr	Dil'n	Prep	Analysis					
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR	72	30-150	%	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	
decachlorobiphenyl SUR	77	30-150	%	1	JZL	10/1/16	9089	10/5/16	15:25	SW3540C8082A	

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-013

Sample ID: SB-117 (4-5)

Matrix: Solid

Percent Dry: 88.3% Results expressed on a dry weight basis.

Sampled: 9/27/16 9:40		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
PCB-1221		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
PCB-1232		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
PCB-1242		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
PCB-1248		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
PCB-1254		5.0	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
PCB-1260		2.3	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		116	30-150	%	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A
decachlorobiphenyl SUR		127	30-150	%	5	JZL	10/2/16	9092	10/7/16	22:35	SW3540C8082A

Sample#: 37970-014

Sample ID: SB-117 (6-8)

Matrix: Solid

Percent Dry: 82.6% Results expressed on a dry weight basis.

Sampled: 9/27/16 9:42		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
PCB-1221		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
PCB-1232		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
PCB-1242		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
PCB-1248		< 0.8	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
PCB-1254		2.9	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
PCB-1260		18	0.8	ug/g	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		111	30-150	%	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A
decachlorobiphenyl SUR		113	30-150	%	5	JZL	10/2/16	9092	10/7/16	23:21	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-015

Sample ID: SB-117 (9-10)

Matrix: Solid

Percent Dry: 97.2% Results expressed on a dry weight basis.

Sampled: 9/27/16 9:44		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	74	30-150	%	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A
decachlorobiphenyl SUR	78	30-150	%	1	JZL	10/2/16	9092	10/5/16	15:49	SW3540C8082A

Sample#: 37970-016

Sample ID: SB-118 (4-5)

Matrix: Solid

Percent Dry: 95.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:02		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	44	30-150	%	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A
decachlorobiphenyl SUR	51	30-150	%	1	JZL	10/2/16	9092	10/5/16	16:04	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-017

Sample ID: SB-118 (6-7)

Matrix: Solid

Percent Dry: 80.9% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:04		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.9	0.9	ug/g	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
PCB-1221	< 0.9	0.9	ug/g	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
PCB-1232	< 0.9	0.9	ug/g	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
PCB-1242	< 0.9	0.9	ug/g	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
PCB-1248	< 0.9	0.9	ug/g	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
PCB-1254	< 0.9	0.9	ug/g	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
PCB-1260	< 0.9	0.9	ug/g	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	61	30-150	%	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A
decachlorobiphenyl SUR	71	30-150	%	1	JZL	10/2/16	9092	10/4/16	17:24	SW3540C8082A

Note: Elevated reporting limit due to matrix interference.

Sample#: 37970-018

Sample ID: SB-118 (9-10)

Matrix: Solid

Percent Dry: 96.8% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:06		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.7	0.7	ug/g	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
PCB-1221	< 0.7	0.7	ug/g	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
PCB-1232	< 0.7	0.7	ug/g	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
PCB-1242	< 0.7	0.7	ug/g	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
PCB-1248	< 0.7	0.7	ug/g	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
PCB-1254	< 0.7	0.7	ug/g	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
PCB-1260	< 0.7	0.7	ug/g	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	45	30-150	%	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A
decachlorobiphenyl SUR	63	30-150	%	1	JZL	10/2/16	9092	10/3/16	23:15	SW3540C8082A

Note: Elevated reporting limit due to matrix interference.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-019

Sample ID: SB-119 (4-5)

Matrix: Solid

Percent Dry: 95.6% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:33		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
PCB-1254		1.4	0.2	ug/g	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		53	30-150	%	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A
decachlorobiphenyl SUR		64	30-150	%	1	JZL	10/2/16	9092	10/5/16	14:17	SW3540C8082A

Sample#: 37970-020

Sample ID: SB-119 (6.75-8.75)

Matrix: Solid

Percent Dry: 81.1% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:35		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		2.8	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1221		< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1232		< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1242		< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1248		< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1254		2.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1260		3.3	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
Surrogate Recovery		Limits									
tetrachloro-m-xylene SUR		65	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
decachlorobiphenyl SUR		69	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-021

Sample ID: SB-119 (9-10)

Matrix: Solid

Percent Dry: 93.6% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:39		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	49	30-150	%	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A
decachlorobiphenyl SUR	52	30-150	%	1	JZL	10/3/16	9092	10/5/16	16:37	SW3540C8082A

Sample#: 37970-022

Sample ID: SB-120 (4-5)

Matrix: Solid

Percent Dry: 94.8% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:58		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	55	30-150	%	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A
decachlorobiphenyl SUR	61	30-150	%	1	JZL	10/3/16	9092	10/5/16	0:56	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-023

Sample ID: SB-120 (5-6.25)

Matrix: Solid

Percent Dry: 84.8% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:00		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	59	30-150	%	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A
decachlorobiphenyl SUR	68	30-150	%	1	JZL	10/3/16	9092	10/5/16	1:11	SW3540C8082A

Sample#: 37970-024

Sample ID: SB-120 (9-10)

Matrix: Solid

Percent Dry: 94.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:03		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	72	30-150	%	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A
decachlorobiphenyl SUR	77	30-150	%	1	JZL	10/3/16	9092	10/5/16	1:26	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-025

Sample ID: SB-121 (4-5)

Matrix: Solid

Percent Dry: 92.1% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:31		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	61	30-150	%	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A
decachlorobiphenyl SUR	66	30-150	%	1	JZL	10/3/16	9092	10/5/16	1:42	SW3540C8082A

Sample#: 37970-026

Sample ID: SB-121 (5.5-8.5)

Matrix: Solid

Percent Dry: 77.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:34		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
PCB-1221	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
PCB-1232	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
PCB-1242	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
PCB-1248	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
PCB-1254	1.3	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
PCB-1260	3.7	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	70	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A
decachlorobiphenyl SUR	71	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:52	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-027

Sample ID: SB-121 (9-10)

Matrix: Solid

Percent Dry: 95.9% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:37		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	70	30-150	%	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A
decachlorobiphenyl SUR	86	30-150	%	1	JZL	10/7/16	9110	10/10/16	13:56	SW3540C8082A

Sample#: 37970-028

Sample ID: SB-122 (4-5)

Matrix: Solid

Percent Dry: 95.3% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:49		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1254	0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	61	30-150	%	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
decachlorobiphenyl SUR	69	30-150	%	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-029

Sample ID: SB-122 (6-7.5)

Matrix: Solid

Percent Dry: 85.8% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:53		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	54	30-150	%	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A
decachlorobiphenyl SUR	63	30-150	%	1	JZL	10/3/16	9092	10/5/16	2:27	SW3540C8082A

Sample#: 37970-030

Sample ID: SB-122 (9-10)

Matrix: Solid

Percent Dry: 97.8% Results expressed on a dry weight basis.

Sampled: 9/27/16 11:56		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
PCB-1254	0.4	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	71	30-150	%	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A
decachlorobiphenyl SUR	73	30-150	%	1	JZL	10/9/16	9116	10/11/16	18:25	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-031

Sample ID: SB-123 (4-5)

Matrix: Solid

Percent Dry: 90.1% Results expressed on a dry weight basis.

Sampled: 9/27/16 12:48		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
PCB-1254	0.7	0.2	ug/g	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
PCB-1260	0.3	0.2	ug/g	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	88	30-150	%	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A
decachlorobiphenyl SUR	89	30-150	%	1	JZL	10/7/16	9110	10/12/16	11:04	SW3540C8082A

Sample#: 37970-032

Sample ID: SB-123 (6.25-7.75)

Matrix: Solid

Percent Dry: 74.3% Results expressed on a dry weight basis.

Sampled: 9/27/16 12:51		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	8.9	1.9	ug/g	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
PCB-1221	< 1.9	1.9	ug/g	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
PCB-1232	< 1.9	1.9	ug/g	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
PCB-1242	< 1.9	1.9	ug/g	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
PCB-1248	< 1.9	1.9	ug/g	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
PCB-1254	21	1.9	ug/g	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
PCB-1260	25	1.9	ug/g	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	104	30-150	%	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A
decachlorobiphenyl SUR	130	30-150	%	10	JZL	10/7/16	9110	10/13/16	2:35	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-033

Sample ID: SB-123 (9-10)

Matrix: Solid

Percent Dry: 94.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 12:53		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	59	30-150	%	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A
decachlorobiphenyl SUR	91	30-150	%	1	JZL	10/7/16	9110	10/10/16	14:42	SW3540C8082A

Sample#: 37970-034

Sample ID: SB-124 (4-5)

Matrix: Solid

Percent Dry: 95.6% Results expressed on a dry weight basis.

Sampled: 9/27/16 13:20		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	59	30-150	%	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A
decachlorobiphenyl SUR	90	30-150	%	1	JZL	10/7/16	9110	10/10/16	14:57	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-035

Sample ID: SB-124 (6-7.5)

Matrix: Solid

Percent Dry: 87.1% Results expressed on a dry weight basis.

Sampled: 9/27/16 13:23		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
PCB-1254	0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR	84	30-150	%	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A
decachlorobiphenyl SUR	99	30-150	%	1	JZL	10/7/16	9110	10/10/16	14:11	SW3540C8082A

Sample#: 37970-035

Sample ID: SB-124 (9-10)

Matrix: Solid

Percent Dry: 96.1% Results expressed on a dry weight basis.

Sampled: 9/27/16 13:25		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
PCB-1254	0.6	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR	54	30-150	%	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A
decachlorobiphenyl SUR	83	30-150	%	1	JZL	10/7/16	9110	10/10/16	15:19	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-037

Sample ID: SB-125 (4-5)

Matrix: Solid

Percent Dry: 94% Results expressed on a dry weight basis.

Sampled: 9/27/16 14:06		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
PCB-1254	0.8	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	72	30-150	%	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A
decachlorobiphenyl SUR	84	30-150	%	1	JZL	10/7/16	9110	10/10/16	15:36	SW3540C8082A

Sample#: 37970-038

Sample ID: SB-125 (6-7.5)

Matrix: Solid

Percent Dry: 49.8% Results expressed on a dry weight basis.

Sampled: 9/27/16 14:09		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	2.3	1.6	ug/g	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
PCB-1221	< 1.6	1.6	ug/g	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
PCB-1232	< 1.6	1.6	ug/g	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
PCB-1242	< 1.6	1.6	ug/g	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
PCB-1248	< 1.6	1.6	ug/g	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
PCB-1254	6.7	1.6	ug/g	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
PCB-1260	31	1.6	ug/g	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	96	30-150	%	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A
decachlorobiphenyl SUR	106	30-150	%	5	JZL	10/7/16	9110	10/12/16	3:19	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-039

Sample ID: SB-125 (7.5-9)

Matrix: Solid

Percent Dry: 76.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 14:12		Reporting	Instr	Dil'n	Prep	Analysis			Reference	
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	8.5	0.9	ug/g	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
PCB-1221	< 0.9	0.9	ug/g	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
PCB-1232	< 0.9	0.9	ug/g	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
PCB-1242	< 0.9	0.9	ug/g	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
PCB-1248	< 0.9	0.9	ug/g	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
PCB-1254	5.5	0.9	ug/g	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
PCB-1260	13	0.9	ug/g	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	101	30-150	%	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A
decachlorobiphenyl SUR	95	30-150	%	5	JZL	10/9/16	9116	10/13/16	1:03	SW3540C8082A

Sample#: 37970-040

Sample ID: SB-125 (9-10)

Matrix: Solid

Percent Dry: 94.3% Results expressed on a dry weight basis.

Sampled: 9/27/16 14:15		Reporting	Instr	Dil'n	Prep	Analysis			Reference	
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
PCB-1254	0.2	0.1	ug/g	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
PCB-1260	0.3	0.1	ug/g	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	85	30-150	%	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A
decachlorobiphenyl SUR	81	30-150	%	1	JZL	10/9/16	9116	10/11/16	18:40	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-041

Sample ID: SB-126 (4-5)

Matrix: Solid

Percent Dry: 93.3% Results expressed on a dry weight basis.

Sampled: 9/27/16 14:37		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
PCB-1254	0.8	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
PCB-1260	0.4	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	89	30-150	%	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A
decachlorobiphenyl SUR	109	30-150	%	1	JZL	10/9/16	9116	10/12/16	10:49	SW3540C8082A

Sample#: 37970-042

Sample ID: SB-126 (6.5-9)

Matrix: Solid

Percent Dry: 66.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 14:39		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	15	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
PCB-1221	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
PCB-1232	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
PCB-1242	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
PCB-1248	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
PCB-1254	13	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
PCB-1260	42	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	105	30-150	%	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A
decachlorobiphenyl SUR	111	30-150	%	10	JZL	10/9/16	9116	10/13/16	1:49	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-043

Sample ID: SB-126 (9-10)

Matrix: Solid

Percent Dry: 96.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 14:41		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	77	30-150	%	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A
decachlorobiphenyl SUR	89	30-150	%	1	JZL	10/9/16	9116	10/12/16	11:20	SW3540C8082A

Sample#: 37970-044

Sample ID: SB-127 (4-5)

Matrix: Solid

Percent Dry: 94.9% Results expressed on a dry weight basis.

Sampled: 9/27/16 15:05		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	77	30-150	%	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A
decachlorobiphenyl SUR	80	30-150	%	1	JZL	10/9/16	9116	10/11/16	20:27	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-045

Sample ID: SB-127 (6-7)

Matrix: Solid

Percent Dry: 82.9% Results expressed on a dry weight basis.

Sampled: 9/27/16 15:12		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	85	30-150	%	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A
decachlorobiphenyl SUR	91	30-150	%	1	JZL	10/10/16	9116	10/11/16	20:43	SW3540C8082A

Sample#: 37970-045

Sample ID: SB-127 (9-10)

Matrix: Solid

Percent Dry: 97.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 15:15		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	70	30-150	%	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A
decachlorobiphenyl SUR	78	30-150	%	1	JZL	10/6/16	9110	10/7/16	17:14	SW3540C8082A

Quality Control Report



124 Heritage Avenue Unit 16
Portsmouth, NH 03801
www.absoluteresourceassociates.com



Case Narrative
Lab # 37970

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 1 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration

No exceptions noted.

Method Blank

No exceptions noted.

Surrogate Recoveries

No exceptions noted.

Laboratory Control Sample Results

No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

PCB: The reporting limits for the following samples are elevated due to interferences caused by the matrix: 37970-006, -008, -010, -011, -017, and -018.

Reporting Limits: Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

- QC Report -

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9089	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		71	%			30	150	
		decachlorobiphenyl SUR		85	%			30	150	
SW3540C8082A	LCS9089	PCB-1016		1.4	ug/g	2	69	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.4	ug/g	2	72	40	140	
		tetrachloro-m-xylene SUR		67	%			30	150	
		decachlorobiphenyl SUR		76	%			30	150	
SW3540C8082A	LCSD9089	PCB-1016		1.2	ug/g	2	62	40	140	11 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.3	ug/g	2	67	40	140	7 30
		tetrachloro-m-xylene SUR		57	%			30	150	
		decachlorobiphenyl SUR		68	%			30	150	

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9092	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		47	%			30	150	
		decachlorobiphenyl SUR		63	%			30	150	
SW3540C8082A	LCS9092	PCB-1016		1.0	ug/g	2	51	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.1	ug/g	2	57	40	140	
		tetrachloro-m-xylene SUR		45	%			30	150	
		decachlorobiphenyl SUR		65	%			30	150	
SW3540C8082A	LCSD9092	PCB-1016		1.1	ug/g	2	54	40	140	6 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.1	ug/g	2	57	40	140	0 30
		tetrachloro-m-xylene SUR		51	%			30	150	
		decachlorobiphenyl SUR		59	%			30	150	

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9110	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		59	%			30	150	
		decachlorobiphenyl SUR		74	%			30	150	
SW3540C8082A	LCS9110	PCB-1016		1.4	ug/g	2	70	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.5	ug/g	2	77	40	140	
		tetrachloro-m-xylene SUR		67	%			30	150	
		decachlorobiphenyl SUR		80	%			30	150	
SW3540C8082A	LCSD9110	PCB-1016		1.4	ug/g	2	70	40	140	0 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.6	ug/g	2	81	40	140	5 30
		tetrachloro-m-xylene SUR		67	%			30	150	
		decachlorobiphenyl SUR		86	%			30	150	

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9116	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		73	%			30	150	
		decachlorobiphenyl SUR		66	%			30	150	
SW3540C8082A	LCS9116	PCB-1016		1.4	ug/g	2	71	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.5	ug/g	2	73	40	140	
		tetrachloro-m-xylene SUR		75	%			30	150	
		decachlorobiphenyl SUR		76	%			30	150	
SW3540C8082A	LCSD9116	PCB-1016		1.4	ug/g	2	72	40	140	1 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.5	ug/g	2	75	40	140	3 30
		tetrachloro-m-xylene SUR		76	%			30	150	
		decachlorobiphenyl SUR		77	%			30	150	



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluterourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

37970

Company Name:
GeoInsight, Inc

Company Address:
186 Granite St

Report To:
Mike Dacey

Phone #:
603-314-0820

Invoice to:
Admin

Email:

Hard Copy Invoice Required

Project Name:
Hitchiner- Elm St
Project #: 7848-000

Project Location: NH MA ME
VT NY Other

Protocol: RCRA SDWA NPDES
MCP NHDES OTHER

Reporting QAPP GW-1 S-1
Limits: EPA DW Other

Quote # NH Reimbursement Pricing

PO #

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method			Sampling				
			WATER	SOLID	OTHER	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME	SAMPLER
3797001	SB-113 (4-5)	1	X								9/26/16	15:23	E8
72	SB-113 (6-7)	1	X								9/26/16	15:26	E8
73	SB-113 (9-10)	1	X								9/26/16	15:30	E8
74	SB-114 (4-5)	1	X								9/26/16	16:03	E8
75	SB-114 (6-7)	1	X								9/26/16	16:05	E8
76	SB-114 (9-10)	1	X								9/26/16	16:08	E8
77	SB-115 (4.5-L)	1	X								9/26/16	16:30	E8
78	SB-115 (75-85)	1	X								9/26/16	16:32	E8
79	SB-115 (9-10)	1	X								9/26/16	16:34	E8
80	SB-116 (4-5)	1	X								9/27/16	9:05	E8
71	SB-116 (6.5-T)	1	X								9/27/16	9:07	E8

TAT REQUESTED

Priority (24 hr)*

Expedited (48 hr)*

Standard (10 Business Days)

*Date Needed 5 Day

See absoluterourceassociates.com
for sample acceptance policy and
current accreditation lists.

SPECIAL INSTRUCTIONS

Please run Soxhlet extraction on PCB samples

REPORTING INSTRUCTIONS

*PDF (e-mail address) MFDacey@geoinc.com

HARD COPY REQUIRED EDD

RECEIVED ON ICE YES NO

TEMPERATURE 1 °C

CUSTODY RECORD

QSD-01 Revision 8/1/16

Relinquished by Sampler:

E.D. Gr

Date 9/27/16

Time 15:25

Received by:

Date 9/27/16

Time 15:25

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by Laboratory:

Date 9/27/16

Time 15:25



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteressourcesassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

37970

Company Name:
Geo Insight Inc

Company Address:
186 granite st / Manchester , NH

Report To:
Mike Dacey

Phone #:
603-314-0820

Invoice to: Admin

Email:

Hard Copy Invoice Required

Project Name:
Hitchiner- Elmst
Project #: 7843-000

Project Location: NH MA ME
VT NY Other

Protocol: RCRA SDWA NPDES
MCP NHDES OTHER

Reporting QAPP GW-1 S-1
Limits: EPA DW Other

Quote # NH Reimbursement
Pricing

PO #

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix	Preservation Method	Sampling			SAMPLER	DATE	TIME	
					WATER	SOLID	OTHER				
3797012	SB-116 (9-10)	1	X						9/27/16	9:09	E8
13	SB-117 (4-5)	1	X						9/27/16	9:40	E8
14	SB-117 (6-8)	1	X						9/27/16	9:42	E8
15	SB-117 (9-10)	1	X						9/27/16	9:44	E8
16	SB-118 (4-5)	1	X						9/27/16	10:02	E8
17	SB-118 (6-7)	1	X						9/27/16	10:04	E8
18	SB-118 (9-10)	1	X						9/27/16	10:06	E8
19	SB-119 (4-5)	1	X						9/27/16	10:33	E8
20	SB-119 (6.75-8.25)	1	X						9/27/16	10:34.5	E8
21	SB-119 (9-10)	1	X						9/27/16	10:39	E8
22	SB-120 (4-5)	1	X						9/27/16	10:58	E8

TAT REQUESTED

Priority (24 hr)*

Expedited (48 hr)*

Standard (10 Business Days)

*Date Needed 5 Day

See absoluteressourcesassociates.com
for sample acceptance policy and
current accreditation lists.

SPECIAL INSTRUCTIONS

Please run Soxhlet extraction on PCB Samples

REPORTING INSTRUCTIONS

PDF (e-mail address) mfdacey@geoinc.com

RECEIVED ON ICE YES NO

TEMPERATURE 1 °C

HARD COPY REQUIRED EDD

CUSTODY RECORD

QSD-01 Revision 8/1/16

Relinquished by Sampler: <u>M. D. D.</u>	Date <u>9/27/16</u>	Time <u>15:25</u>	Received by: <u></u>	Date <u></u>	Time <u></u>
Relinquished by: <u></u>	Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>
Relinquished by: <u></u>	Date <u></u>	Time <u></u>	Received by Laboratory: <u>A. D. D.</u>	Date <u>9/27/16</u>	Time <u>15:25</u>



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteressourcesassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

37970

Company Name:	GeoInsight, Inc
Company Address:	186 Granite St Manchester, NH
Report To:	Mike Dacey
Phone #:	603-314-0820
Invoice to:	Admin
<input type="checkbox"/> Email:	
<input type="checkbox"/> Hard Copy Invoice Required	

Project Name:	Hitchner-Elm St
Project #:	7843-000
Project Location:	NH MA ME VT NY Other
Protocol:	RCRA MCP SDWA NHDDES NPDES OTHER
Reporting Limits:	QAPP EPA DW GW-1 S-1 Other
Quote #	NH Reimbursement Pricing
PO #	

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix	Preservation Method	Sampling			Sampler	Date	Time	Method
					WATER	SOLID	OTHER				
37970-34	SB-124 (4-5)	1	X						9/27/16	13:20	E8
-35	SB-124 (6-7.5)	1	X						9/27/16	13:23	E8
-36	SB-124 (9-10)	1	X						9/27/16	13:26	E8
-37	SB-125 (4-5)	1	X						9/27/16	14:06	E8
-38	SB-125 (6.5-7.5)	1	X						9/27/16	14:09	E8
-39	SB-125 (7.5-9)	1	X						9/27/16	14:12	E8
-40	SB-125 (9-10)	1	X						9/27/16	14:15	E8
-41	SB-126 (4-5)	1	X						9/27/16	14:37	E8
-42	SB-126 (6.5-9)	1	X						9/27/16	14:39	E8
-43	SB-126 (9-10)	1	X						9/27/16	14:41	E8
-44	SB-127 (4-5)	1	X						9/27/16	15:05	E8

TAT REQUESTED

Priority (24 hr)*

Expedited (48 hr)*

Standard (10 Business Days)

*Date Needed 5 Day

See absoluteressourcesassociates.com
for sample acceptance policy and
current accreditation lists.

SPECIAL INSTRUCTIONS

Please run Soxhlet extraction on PCB Samples

REPORTING INSTRUCTIONS

PDF (e-mail address) mfdacey@geoinc.com

HARD COPY REQUIRED EDD

RECEIVED ON ICE YES NO

TEMPERATURE 7 °C

CUSTODY RECORD

QSD-01 Revision 8/1/16

Relinquished by Sampler: <u>Em D. G.</u>	Date <u>9/27/16</u>	Time <u>15:25</u>	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory:	<u>R. M. D.</u>	<u>9/27/16 15:25</u>



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**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

PAGE 45 OF 5

37970

Company Name: Get Insight, Inc
Company Address: 186 Granite St Manchester, NH
Report To: Mike Dacey
Phone #: 603-314-0820
Invoice to: Admin
 Email: _____
 Hard Copy Invoice Required

Project Name:	Hitchiner Elm St			
Project #:	7843-000			
Project Location:	NH	MA	ME	Other
	VT	NY		
Protocol:	RCRA	SDWA	NPDES	
	MCP	NHDES	OTHER	
Reporting	QAPP	GW-1	S-1	
Limits:	EPA DW	Other		
Quote #	<input type="checkbox"/>	NH Reimbursement Pricing		
PO #				

TAT REQUESTED	See absoluterresourceassociates.com for sample acceptance policy and current accreditation lists.	SPECIAL INSTRUCTIONS																							
Priority (24 hr)* <input type="checkbox"/>	Please run Soxhlet Extraction on PCB samples																								
Expedited (48 hr)* <input type="checkbox"/>																									
Standard (10 Business Days) <input type="checkbox"/>																									
*Date Needed <u>5 Day</u>																									
REPORTING INSTRUCTIONS		<input checked="" type="checkbox"/> PDF (e-mail address) <u>mfdacey@geoinc.com</u>	RECEIVED ON ICE <input type="checkbox"/> YES <input type="checkbox"/> NO																						
<input type="checkbox"/> HARD COPY REQUIRED <input type="checkbox"/> EDD _____				TEMPERATURE <u>1</u> °C																					
<table border="1"> <tr> <td>CUSTODY RECORD</td> <td>Relinquished by Sampler: <u>G. D. Jones</u></td> <td>Date <u>9/27/16</u></td> <td>Time <u>15:25</u></td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td>QSD-01 Revision 8/1/16</td> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td></td> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by Laboratory: <u>Josh D. Jones</u></td> <td>Date <u>9/27/16</u></td> <td>Time <u>15:25</u></td> </tr> </table>					CUSTODY RECORD	Relinquished by Sampler: <u>G. D. Jones</u>	Date <u>9/27/16</u>	Time <u>15:25</u>	Received by:	Date	Time	QSD-01 Revision 8/1/16	Relinquished by:	Date	Time	Received by:	Date	Time		Relinquished by:	Date	Time	Received by Laboratory: <u>Josh D. Jones</u>	Date <u>9/27/16</u>	Time <u>15:25</u>
CUSTODY RECORD	Relinquished by Sampler: <u>G. D. Jones</u>	Date <u>9/27/16</u>	Time <u>15:25</u>	Received by:	Date	Time																			
QSD-01 Revision 8/1/16	Relinquished by:	Date	Time	Received by:	Date	Time																			
	Relinquished by:	Date	Time	Received by Laboratory: <u>Josh D. Jones</u>	Date <u>9/27/16</u>	Time <u>15:25</u>																			

Laboratory Report



Absolute Resource associates

124 Heritage Avenue Portsmouth NH 03801

Michael Dacey
GeoInsight, Inc.
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03103

PO Number: None
Job ID: 38016
Date Received: 9/29/16

Project: Hitchiner-Elm St. 7843-000

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

A handwritten signature in black ink that appears to read "Sue Sylvester" followed by "(for)" in parentheses.

Sue Sylvester
Principal, General Manager

Date of Approval: 10/17/2016
Total number of pages: 20

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-128 (4-5)	Solid	9/27/2016 15:51	38016-001	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-128 (6-7)	Solid	9/27/2016 15:55	38016-002	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-128 (9-10)	Solid	9/27/2016 15:57	38016-003	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-129 (4-5)	Solid	9/28/2016 8:48	38016-004	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-129 (6-8)	Solid	9/28/2016 8:50	38016-005	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-129 (9-10)	Solid	9/28/2016 8:52	38016-006	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-130 (4-5)	Solid	9/28/2016 9:33	38016-007	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-130 (5-7)	Solid	9/28/2016 9:35	38016-008	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-130 (7-8.5)	Solid	9/28/2016 9:39	38016-009	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-130 (9-10)	Solid	9/28/2016 9:41	38016-010	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-131 (4-5)	Solid	9/28/2016 10:04	38016-011	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-131 (7-8.5)	Solid	9/28/2016 10:06	38016-012	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-131 (9-10)	Solid	9/28/2016 10:09	38016-013	PCBs in soil by 8082 PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-132 (4-5)	Solid	9/28/2016 10:42	38016-014	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-132 (6-7.25)	Solid	9/28/2016 10:45	38016-015	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-132 (9-10)	Solid	9/28/2016 10:47	38016-016	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-133 (4-5)	Solid	9/28/2016 11:15	38016-017	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
SB-133 (6-7)	Solid	9/28/2016 11:18	38016-018	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G
SB-133 (9-10)	Solid	9/28/2016 11:21	38016-019	PCBs in soil by 8082 Percent Dry Matter for Sample Calc by SM2540B,G

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-001

Sample ID: SB-128 (4-5)

Matrix: Solid

Percent Dry: 84.5% Results expressed on a dry weight basis.

Sampled: 9/27/16 15:51		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
PCB-1254		0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		65	30-150	%	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A
decachlorobiphenyl SUR		78	30-150	%	1	JZL	10/6/16	9110	10/7/16	17:29	SW3540C8082A

Sample#: 38016-002

Sample ID: SB-128 (6-7)

Matrix: Solid

Percent Dry: 87.2% Results expressed on a dry weight basis.

Sampled: 9/27/16 15:55		Reporting		Instr	Dil'n	Prep	Analysis				
Parameter		Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
PCB-1221		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
PCB-1232		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
PCB-1242		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
PCB-1248		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
PCB-1254		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
PCB-1260		< 0.2	0.2	ug/g	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
Surrogate Recovery											
tetrachloro-m-xylene SUR		71	30-150	%	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A
decachlorobiphenyl SUR		92	30-150	%	1	JZL	10/6/16	9110	10/7/16	17:44	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-003

Sample ID: SB-128 (9-10)

Matrix: Solid

Percent Dry: 98.4% Results expressed on a dry weight basis.

Sampled: 9/27/16 15:57		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
PCB-1254	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	64	30-150	%	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A
decachlorobiphenyl SUR	81	30-150	%	1	JZL	10/6/16	9110	10/7/16	18:00	SW3540C8082A

Sample#: 38016-004

Sample ID: SB-129 (4-5)

Matrix: Solid

Percent Dry: 91.4% Results expressed on a dry weight basis.

Sampled: 9/28/16 8:48		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1221	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1232	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1242	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1248	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1254	270	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1260	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	DOR	30-150	%	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
decachlorobiphenyl SUR	DOR	30-150	%	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A

DOR = Diluted out of range.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-005

Sample ID: SB-129 (6-8)

Matrix: Solid

Percent Dry: 67% Results expressed on a dry weight basis.

Sampled: 9/28/16 8:50		Reporting	Instr	Dil'n	Prep	Analysis			Reference	
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	8.1	2.0	ug/g	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
PCB-1221	< 2.0	2.0	ug/g	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
PCB-1232	< 2.0	2.0	ug/g	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
PCB-1242	< 2.0	2.0	ug/g	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
PCB-1248	< 2.0	2.0	ug/g	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
PCB-1254	31	2.0	ug/g	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
PCB-1260	38	2.0	ug/g	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	89	30-150	%	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A
decachlorobiphenyl SUR	72	30-150	%	10	JZL	10/6/16	9110	10/12/16	14:34	SW3540C8082A

Sample#: 38016-006

Sample ID: SB-129 (9-10)

Matrix: Solid

Percent Dry: 93.2% Results expressed on a dry weight basis.

Sampled: 9/28/16 8:52		Reporting	Instr	Dil'n	Prep	Analysis			Reference	
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
PCB-1254	0.9	0.1	ug/g	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
PCB-1260	1.4	0.1	ug/g	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	73	30-150	%	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A
decachlorobiphenyl SUR	76	30-150	%	1	JZL	10/6/16	9110	10/10/16	11:37	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-007

Sample ID: SB-130 (4-5)

Matrix: Solid

Percent Dry: 84.5% Results expressed on a dry weight basis.

Sampled: 9/28/16 9:33		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
PCB-1254	0.5	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR	77	30-150	%	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A
decachlorobiphenyl SUR	86	30-150	%	1	JZL	10/10/16	9116	10/11/16	22:45	SW3540C8082A

Sample#: 38016-008

Sample ID: SB-130 (5-7)

Matrix: Solid

Percent Dry: 82.9% Results expressed on a dry weight basis.

Sampled: 9/28/16 9:35		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
PCB-1221	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
PCB-1232	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
PCB-1242	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
PCB-1248	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
PCB-1254	5.1	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
PCB-1260	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
Surrogate Recovery										
tetrachloro-m-xylene SUR	93	30-150	%	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A
decachlorobiphenyl SUR	92	30-150	%	5	JZL	10/10/16	9116	10/13/16	3:20	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-009

Sample ID: SB-130 (7-8.5)

Matrix: Solid

Percent Dry: 67% Results expressed on a dry weight basis.

Sampled: 9/28/16 9:39		Reporting	Instr	Dil'n	Prep	Analysis			Reference	
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	16	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1221	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1232	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1242	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1248	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1254	67	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1260	88	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	125	30-150	%	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
decachlorobiphenyl SUR	114	30-150	%	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A

Sample#: 38016-010

Sample ID: SB-130 (9-10)

Matrix: Solid

Percent Dry: 95.9% Results expressed on a dry weight basis.

Sampled: 9/28/16 9:41		Reporting	Instr	Dil'n	Prep	Analysis			Reference	
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
PCB-1254	2.5	0.1	ug/g	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
PCB-1260	0.3	0.1	ug/g	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	84	30-150	%	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A
decachlorobiphenyl SUR	80	30-150	%	1	JZL	10/10/16	9116	10/12/16	11:40	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-011

Sample ID: SB-131 (4-5)

Matrix: Solid

Percent Dry: 86.1% Results expressed on a dry weight basis.

Sampled: 9/28/16 10:04		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
PCB-1221	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
PCB-1232	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
PCB-1242	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
PCB-1248	< 0.8	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
PCB-1254	4.0	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
PCB-1260	1.1	0.8	ug/g	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	93	30-150	%	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A
decachlorobiphenyl SUR	88	30-150	%	5	JZL	10/10/16	9116	10/13/16	4:52	SW3540C8082A

Sample#: 38016-012

Sample ID: SB-131 (7-8.5)

Matrix: Solid

Percent Dry: 63.4% Results expressed on a dry weight basis.

Sampled: 9/28/16 10:06		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	25	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
PCB-1221	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
PCB-1232	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
PCB-1242	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
PCB-1248	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
PCB-1254	36	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
PCB-1260	190	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	DOR	30-150	%	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A
decachlorobiphenyl SUR	DOR	30-150	%	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A

DOR = Diluted out of range.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-013

Sample ID: SB-131 (9-10)

Matrix: Solid

Percent Dry: 96.4% Results expressed on a dry weight basis.

Sampled: 9/28/16 10:09		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
PCB-1254	0.8	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
PCB-1260	1.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	85	30-150	%	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A
decachlorobiphenyl SUR	97	30-150	%	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A

Sample#: 38016-014

Sample ID: SB-132 (4-5)

Matrix: Solid

Percent Dry: 82.3% Results expressed on a dry weight basis.

Sampled: 9/28/16 10:42		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 1.9	1.9	ug/g	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
PCB-1221	< 1.9	1.9	ug/g	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
PCB-1232	< 1.9	1.9	ug/g	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
PCB-1242	< 1.9	1.9	ug/g	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
PCB-1248	< 1.9	1.9	ug/g	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
PCB-1254	9.5	1.9	ug/g	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
PCB-1260	25	1.9	ug/g	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	96	30-150	%	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A
decachlorobiphenyl SUR	99	30-150	%	10	JZL	10/10/16	9116	10/13/16	6:24	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-015

Sample ID: SB-132 (6-7.25)

Matrix: Solid

Percent Dry: 85% Results expressed on a dry weight basis.

Sampled: 9/28/16 10:45		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
PCB-1260	0.3	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	81	30-150	%	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A
decachlorobiphenyl SUR	97	30-150	%	1	JZL	10/10/16	9116	10/12/16	10:34	SW3540C8082A

Sample#: 38016-016

Sample ID: SB-132 (9-10)

Matrix: Solid

Percent Dry: 96.6% Results expressed on a dry weight basis.

Sampled: 9/28/16 10:47		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	81	30-150	%	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A
decachlorobiphenyl SUR	71	30-150	%	1	JZL	10/11/16	9126	10/12/16	16:15	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-017

Sample ID: SB-133 (4-5)

Matrix: Solid

Percent Dry: 84.6% Results expressed on a dry weight basis.

Sampled: 9/28/16 11:15		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	91	30-150	%	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A
decachlorobiphenyl SUR	92	30-150	%	1	JZL	10/11/16	9126	10/12/16	16:30	SW3540C8082A

Sample#: 38016-018

Sample ID: SB-133 (6-7)

Matrix: Solid

Percent Dry: 82.6% Results expressed on a dry weight basis.

Sampled: 9/28/16 11:18		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
Surrogate Recovery		Limits								
tetrachloro-m-xylene SUR	88	30-150	%	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A
decachlorobiphenyl SUR	94	30-150	%	1	JZL	10/11/16	9126	10/12/16	16:46	SW3540C8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-019

Sample ID: SB-133 (9-10)

Matrix: Solid

Percent Dry: 93.7% Results expressed on a dry weight basis.

Parameter	Sampled: 9/28/16 11:21		Reporting		Instr	Dil'n	Prep	Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
PCB-1254	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
Surrogate Recovery											
tetrachloro-m-xylene SUR	79	30-150	%	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	
decachlorobiphenyl SUR	83	30-150	%	1	JZL	10/11/16	9126	10/12/16	17:02	SW3540C8082A	

Quality Control Report



124 Heritage Avenue Unit 16
Portsmouth, NH 03801
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Case Narrative
Lab # 38016

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 0 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration

No exceptions noted.

Method Blank

No exceptions noted.

Surrogate Recoveries

PCB: The surrogates were diluted out of the calibration range in the following sample: 38016-004 and -012.

Laboratory Control Sample Results

No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

Reporting Limits: Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

- QC Report -

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9110	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		59	%			30	150	
		decachlorobiphenyl SUR		74	%			30	150	
SW3540C8082A	LCS9110	PCB-1016		1.4	ug/g	2	70	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.5	ug/g	2	77	40	140	
		tetrachloro-m-xylene SUR		67	%			30	150	
		decachlorobiphenyl SUR		80	%			30	150	
SW3540C8082A	LCSD9110	PCB-1016		1.4	ug/g	2	70	40	140	0 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.6	ug/g	2	81	40	140	5 30
		tetrachloro-m-xylene SUR		67	%			30	150	
		decachlorobiphenyl SUR		86	%			30	150	

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9116	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		73	%			30	150	
		decachlorobiphenyl SUR		66	%			30	150	
SW3540C8082A	LCS9116	PCB-1016		1.4	ug/g	2	71	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.5	ug/g	2	73	40	140	
		tetrachloro-m-xylene SUR		75	%			30	150	
		decachlorobiphenyl SUR		76	%			30	150	
SW3540C8082A	LCSD9116	PCB-1016		1.4	ug/g	2	72	40	140	1 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.5	ug/g	2	75	40	140	3 30
		tetrachloro-m-xylene SUR		76	%			30	150	
		decachlorobiphenyl SUR		77	%			30	150	

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits	RPD	RPD Limit
SW3540C8082A	BLK9126	PCB-1016		<	0.1	ug/g				
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		<	0.1	ug/g				
		tetrachloro-m-xylene SUR		82	%			30	150	
		decachlorobiphenyl SUR		85	%			30	150	
SW3540C8082A	LCS9126	PCB-1016		1.4	ug/g	2	70	40	140	
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.6	ug/g	2	81	40	140	
		tetrachloro-m-xylene SUR		76	%			30	150	
		decachlorobiphenyl SUR		79	%			30	150	
SW3540C8082A	LCSD9126	PCB-1016		1.4	ug/g	2	70	40	140	0 30
		PCB-1221		<	0.1	ug/g				
		PCB-1232		<	0.1	ug/g				
		PCB-1242		<	0.1	ug/g				
		PCB-1248		<	0.1	ug/g				
		PCB-1254		<	0.1	ug/g				
		PCB-1260		1.6	ug/g	2	80	40	140	1 30
		tetrachloro-m-xylene SUR		73	%			30	150	
		decachlorobiphenyl SUR		76	%			30	150	



124 Heritage Avenue #16
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CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

38016

ANALYSIS REQUEST

Company Name: GeoInsight, Inc.	Project Name: Hitchiner-Elmst Project #: 7843-080
Company Address: 186 Granite St Manchester, NH	Project Location: NH MA ME VT NY Other
Report To: Mike Dacey	Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Phone #: 603-314-0820	Reporting: QAPP GW-1 S-1
Invoice to: Admin	Limits: EPA DW Other
<input type="checkbox"/> Email:	<input type="checkbox"/> NH Reimbursement Pricing
<input type="checkbox"/> Hard Copy Invoice Required	Quote #: PO #

# CONTAINERS	Matrix	Preservation Method	Sampling		
WATER	SOLID	OTHER	DATE	TIME	SAMPLER
	X		9/27/16	15:51	ES
	X		9/27/16	15:55	ES
	X		9/27/16	15:57	ES
	X		9/28/16	08:48	ES
	X		9/28/16	08:50	ES
	X		9/28/16	08:52	ES
	X		9/28/16	09:33	ES
	X		9/28/16	09:35	ES
	X		9/28/16	09:39	ES
	X		9/28/16	09:41	ES
	X		9/28/16	10:04	ES

<input type="checkbox"/> VOC 8260	<input type="checkbox"/> VOC 8260 NHDES	<input type="checkbox"/> VOC 8260 MADEP
<input type="checkbox"/> VOC 624	<input type="checkbox"/> VOC BTX	<input type="checkbox"/> MBE, only
<input type="checkbox"/> VPH MADEP	<input type="checkbox"/> GRO 8015	<input type="checkbox"/> 1,4-Dioxane
<input type="checkbox"/> VOC 524.2	<input type="checkbox"/> VOC 524.2 NH List	<input type="checkbox"/> Gases-List
<input type="checkbox"/> TPH	<input type="checkbox"/> DRO 8015	<input type="checkbox"/> EPH MADEP
<input type="checkbox"/> 8270PAH	<input type="checkbox"/> 8270ABN	<input type="checkbox"/> 625
<input type="checkbox"/> 8262 PCB	<input type="checkbox"/> 8081 Pesticides	<input type="checkbox"/> 608 Pest/PCB
<input type="checkbox"/> O&G 1664	<input type="checkbox"/> Mineral O&G SM5520F	
<input type="checkbox"/> pH	<input type="checkbox"/> BOD	<input type="checkbox"/> Conductivity
<input type="checkbox"/> TSS	<input type="checkbox"/> TDS	<input type="checkbox"/> TVS
<input type="checkbox"/> RCRA Metals	<input type="checkbox"/> Priority Pollutant Metals	<input type="checkbox"/> TAL Metals
<input type="checkbox"/> Dissolved Metals-List:	<input type="checkbox"/> Total Metals-List:	
<input type="checkbox"/> Ammonia	<input type="checkbox"/> CDD	<input type="checkbox"/> TKN
<input type="checkbox"/> T-Phosphorus	<input type="checkbox"/> Phenols	<input type="checkbox"/> Bacteria R/A
<input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Nitrate + Nitrite
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Chloride
<input type="checkbox"/> Corrosivity	<input type="checkbox"/> Reactive CN	<input type="checkbox"/> Reactive S-
<input type="checkbox"/> TCLP Metals	<input type="checkbox"/> TCLP VOC	<input type="checkbox"/> TCLP SVOC
<input type="checkbox"/> Subcontract:	<input type="checkbox"/> Grain Size	<input type="checkbox"/> Herbicides
<input type="checkbox"/> Formicldyde		

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix	Preservation Method	Sampling					
38016-01	SB-128 (4-5)	1	X		9/27/16 15:51 ES					
-02	SB-128 (6-7)	1	X		9/27/16 15:55 ES					
-03	SB-128 (9-10)	1	X		9/27/16 15:57 ES					
-04	SB-129 (4-5)	1	X		9/28/16 08:48 ES					
-05	SB-129 (6-8)	1	X		9/28/16 08:50 ES					
-06	SB-129 (9-10)	1	X		9/28/16 08:52 ES					
-07	SB-130 (4-5)	1	X		9/28/16 09:33 ES					
-08	SB-130 (5-7)	1	X		9/28/16 09:35 ES					
-09	SB-130 (7-8.5)	1	X		9/28/16 09:39 ES					
-10	SB-130 (9-10)	1	X		9/28/16 09:41 ES					
-11	SB-131 (4-5)	1	X		9/28/16 10:04 ES					
TAT REQUESTED	SPECIAL INSTRUCTIONS									
Priority (24 hr)*	See absoluteressourcesassociates.com for sample acceptance policy and current accreditation lists.									
Expedited (48 hr)*										
Standard (10 Business Days)										
*Date Needed 5 Day	REPORTING INSTRUCTIONS PDF (e-mail address) mfdacey@geoinc.com									
<input type="checkbox"/> HARD COPY REQUIRED	<input type="checkbox"/> EDD									
RECEIVED ON ICE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO										
TEMPERATURE 0 °C										

CUSTODY RECORD	Relinquished by Sampler: C. D. J.	Date 9/28/16	Time 13:45	Received by: Cold Storage	Date 9/28/16	Time 13:45
	Relinquished by: Cold Storage (C. D. J.)	Date 9/29/16	Time 11:23	Received by: ✓	Date 9/29/16	Time 11:23
	Relinquished by: X - Amend	Date 9/29/16	Time 15:40	Received by Laboratory: ✓	Date 9/29/16	Time 15:40
					9/29/16	10:16

Absolute Resource associates



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteressourcesassociates.com

Company Name:
GeoInsight, Inc.

Company Address:
186 Granite St Manchester, NH

Report To:
Mike Dacey

Phone #:
603-314-0820

Invoice to:
Admin

Email:

Hard Copy Invoice Required

Project Name: Hitchiner Elm St

Project #: 7843-000

Project Location: MA ME VT NY Other

Protocol: RCRA SDWA NPDES
MCP NHDES OTHER

Reporting: QAPP GW-1 S-1

Limits: EPA DW Other

Quote #: NH Reimbursement Pricing

PO #

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

38016

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix	Preservation Method	Sampling			SAMPLE
					WATER	SOLID	OTHER	
38016/2	SB-131 (7-8.5)	1		HCl		X		9/28/16 10:06 28
13	SB-131 (9-10)	1				X		9/28/16 10:09 28
14	SB-132 (4-5)	1				X		9/28/16 10:42 28
15	SB-132 (6-7.25)	1				X		9/28/16 10:45 28
16	SB-132 (9-10)	1				X		9/28/16 10:47 28
17	SB-133 (4-5)	1				X		9/28/16 11:15 28
18	SB-133 (6-7)	1				X		9/28/16 11:18 28
19	SB-133 (9-10)	1				X		9/28/16 11:21 28

TAT REQUESTED	See absoluteressourcesassociates.com for sample acceptance policy and current accreditation lists.		SPECIAL INSTRUCTIONS					
Priority (24 hr)*	<input type="checkbox"/>		Please run Soxhlet extraction on PCB Samples					
Expedited (48 hr)*	<input type="checkbox"/>							
Standard (10 Business Days)	<input type="checkbox"/>							
*Date Needed	<u>5 day</u>							
REPORTING INSTRUCTIONS			PDF (e-mail address) <u>m.dacey@geoinc.com</u>		RECEIVED ON ICE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		TEMPERATURE <u>0</u> °C	
<input type="checkbox"/> HARD COPY REQUIRED <input type="checkbox"/> EDD								
CUSTODY RECORD			Relinquished by Sampler:	Date <u>9/28/16</u> Time <u>13:45</u>	Received by:	<u>Cold Storage</u>		Date <u>9/28/16</u> Time <u>13:45</u>
			Relinquished by:	Date <u>9/28/16</u> Time <u>11:23</u>	Received by:	<u>J. D. Dacey</u>		Date <u>9/28/16</u> Time <u>11:23</u>
			Relinquished by:	Date <u>9/29/16</u> Time <u>15:40</u>	Received by Laboratory:	<u>CDL Lab</u>		Date <u>9/29/16</u> Time <u>15:40</u>
QSD-01 Revision 8/1/16								



APPENDIX C

SUBPART Q PCB CONCENTRATION COMPARISON USING SOXHLET AND MICROWAVE EXTRACTION METHODS

Table 1
Subpart Q PCB Concentration Comparison Using
Soxhlet and Microwave Extraction Methods
Hitchiner-Elm St. 7843-000

Sample #	PCB Concentrations (mg/kg)		Comments
	Method 3540 (Soxhlet)	Method 3546 (Microwave)	
Target Cleanup Level 1 mg/kg			
37954-016	0.25	0.31	Accept
37954-017	4.8	5.9	Accept
37954-019	0.28	0.62	Accept
37954-020	0.85	1.4	Accept
37954-026	0.95	0.27	Accept
37954-027	0.27	0.33	Accept
37970-005	2.9	1.9	Accept
37970-020	2.0	1.3	Accept
37970-028	0.24	0.29	Accept
38016-013	1.2*	1.1	Accept

Notes:

Yellow background: 3 samples > cleanup level: meets requirement (§761.323(b)(1))

Light purple background: 3 samples < cleanup level: meets requirement (§761.323(b)(1))

Light green background: 1 sample 90-100% of cleanup level: meets requirement (§761.323(b)(2))

Orange background: 1 sample 100-110% of cleanup level: meets requirement (§761.323(b)(3))

*Soxhlet concentration is higher than the required 100-110% requirement due to the relatively low 1mg/Kg cleanup level of the study. No impact to the validity of the study is suspected. If required, additional site samples could be analyzed in the future to meet the 100-110% criteria.

Comparison Criteria (§761.326)

All sample results \geq cleanup level in soxhlet are \geq cleanup level in microwave (no false negatives)

For sample results < cleanup level in soxhlet only one is allowed to be > cleanup level in microwave (one false positive)

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-016

Sample ID: SB-105 (3-4')

Matrix: Solid

Percent Dry: 98% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 11:11		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1254	0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	87	30-150	%	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
decachlorobiphenyl SUR	93	30-150	%	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1254	0.3	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	93	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
decachlorobiphenyl SUR	62	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-017

Sample ID: SB-105 (4-6')

Matrix: Solid

Percent Dry: 97.1% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 11:13		Reporting		Instr	Dil'n	Prep	Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
PCB-1221	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
PCB-1232	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
PCB-1242	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
PCB-1248	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
PCB-1254	4.8	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
PCB-1260	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	104	30-150	%	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
decachlorobiphenyl SUR	115	30-150	%	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A	
PCB-1016	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
PCB-1221	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
PCB-1232	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
PCB-1242	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
PCB-1248	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
PCB-1254	5.9	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
PCB-1260	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	112	30-150	%	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	
decachlorobiphenyl SUR	40	30-150	%	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A	

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-019

Sample ID: SB-106 (4-5')

Matrix: Solid

Percent Dry: 75% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 11:33		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1254	0.3	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	69	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
decachlorobiphenyl SUR	71	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1254	0.6	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	89	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
decachlorobiphenyl SUR	57	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-020

Sample ID: SB-106 (6-7')

Matrix: Solid

Percent Dry: 93.9% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 11:35		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1254	0.9	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	49	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
decachlorobiphenyl SUR	56	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:49	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
PCB-1254	1.4	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	93	30-150	%	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A
decachlorobiphenyl SUR	36	30-150	%	1	JZL	10/11/16	9127	10/11/16	12:21	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-026

Sample ID: SB-108 (6.5-7.5')

Matrix: Solid

Percent Dry: 92.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 12:53		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1254	1.0	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	64	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
decachlorobiphenyl SUR	78	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:40	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
PCB-1254	0.3	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	73	30-150	%	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A
decachlorobiphenyl SUR	35	30-150	%	1	JZL	10/11/16	9127	10/11/16	12:36	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-027

Sample ID: SB-108 (9-10')

Matrix: Solid

Percent Dry: 96.6% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 12:57		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1254	0.3	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	74	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
decachlorobiphenyl SUR	58	30-150	%	1	JZL	9/29/16	9081	10/4/16	15:55	SW3540C8082A
PCB-1016	< 0.1	0.1	ug/g	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
PCB-1221	< 0.1	0.1	ug/g	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
PCB-1232	< 0.1	0.1	ug/g	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
PCB-1242	< 0.1	0.1	ug/g	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
PCB-1248	< 0.1	0.1	ug/g	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
PCB-1254	0.3	0.1	ug/g	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
PCB-1260	< 0.1	0.1	ug/g	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	89	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A
decachlorobiphenyl SUR	39	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:58	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-005

Sample ID: SB-114 (6-7)

Matrix: Solid

Percent Dry: 75.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 16:05		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1254	2.9	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1260	1.9	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	98	30-150	%	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
decachlorobiphenyl SUR	101	30-150	%	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1254	1.9	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1260	1.6	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	76	30-150	%	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
decachlorobiphenyl SUR	54	30-150	%	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-020

Sample ID: SB-119 (6.75-8.75)

Matrix: Solid

Percent Dry: 81.1% Results expressed on a dry weight basis.

Parameter	Sampled: 9/27/16 10:35		Reporting		Instr	Dil'n	Prep	Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	2.8	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
PCB-1221	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
PCB-1232	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
PCB-1242	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
PCB-1248	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
PCB-1254	2.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
PCB-1260	3.3	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	65	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
decachlorobiphenyl SUR	69	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A	
PCB-1016	3.2	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
PCB-1221	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
PCB-1232	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
PCB-1242	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
PCB-1248	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
PCB-1254	1.3	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
PCB-1260	1.7	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	48	30-150	%	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	
decachlorobiphenyl SUR	46	30-150	%	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A	

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-028

Sample ID: SB-122 (4-5)

Matrix: Solid

Percent Dry: 95.3% Results expressed on a dry weight basis.

Parameter	Sampled: 9/27/16 11:49		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1254	0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	61	30-150	%	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
decachlorobiphenyl SUR	69	30-150	%	1	JZL	10/3/16	9092	10/5/16	17:39	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
PCB-1254	0.3	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	89	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A
decachlorobiphenyl SUR	58	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:27	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-013

Sample ID: SB-131 (9-10)

Matrix: Solid Percent Dry: 96.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/28/16 10:09		Reporting		Instr	Dil'n	Prep		Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time			
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
PCB-1254	0.8	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
PCB-1260	1.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
Surrogate Recovery												
Limits												
tetrachloro-m-xylene SUR	85	30-150	%	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
decachlorobiphenyl SUR	97	30-150	%	1	JZL	10/10/16	9116	10/12/16	12:11			SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
PCB-1254	0.6	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
PCB-1260	1.1	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
Surrogate Recovery												
Limits												
tetrachloro-m-xylene SUR	109	30-150	%	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A
decachlorobiphenyl SUR	101	30-150	%	1	JZL	10/12/16	9127	10/13/16	11:25			SW3546/8082A

Table 1
Subpart Q PCB Concentration Comparison Using
Soxhlet and Microwave Extraction Methods
Hitchiner-Elm St. 7843-000

Sample #	PCB Concentrations (mg/kg)		Comments
	Method 3540 (Soxhlet)	Method 3546 (Microwave)	
Target Cleanup Level 50 mg/kg			
37954-016	0.25	0.31	Accept
37954-017	4.8	5.9	Accept
37954-019	0.28	0.62	Accept
37970-005	2.9	1.9	Accept
37970-020	2.0	1.3	Accept
37970-042	42	71	Accept
38016-004	270	160	Accept
38016-009	67*	93	Accept
38016-012	190	80	Accept
38016-013	1.2	1.1	Accept

Notes:

3 samples > cleanup level: meets requirement (§761.323(b)(1))

3 samples < cleanup level: meets requirement (§761.323(b)(1))

1 sample 90-100% of cleanup level: meets requirement (§761.323(b)(2))

1 sample 100-110% of cleanup level: meets requirement (§761.323(b)(3))

*Soxhlet concentration is higher than the required 100-110% requirement due to the limited sample selection for the 50mg/Kg cleanup standard. No impact to the validity of the study is suspected. If required, additional site samples could be analyzed in the future to meet the 100-110% criteria.

Note: Individual aroclor results were used to populate the summary table. Multiple aroclors were detected in the samples. Total PCB concentrations also met the comparison criteria described below.

Comparison Criteria (§761.326)

All sample results \geq cleanup level in soxhlet are \geq cleanup level in microwave (no false negatives)

For sample results < cleanup level in soxhlet only one is allowed to be > cleanup level in microwave (one false positive)

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-016

Sample ID: SB-105 (3-4')

Matrix: Solid

Percent Dry: 98% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:11		Reporting		Instr	Dil'n	Prep	Analysis			
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1254	0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	87	30-150	%	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
decachlorobiphenyl SUR	93	30-150	%	1	JZL	9/27/16	9078	9/30/16	13:06	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1254	0.3	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	93	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A
decachlorobiphenyl SUR	62	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:12	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-017

Sample ID: SB-105 (4-6')

Matrix: Solid

Percent Dry: 97.1% Results expressed on a dry weight basis.

Sampled: 9/26/16 11:13		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1221	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1232	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1242	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1248	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1254	4.8	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1260	< 0.7	0.7	ug/g	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	104	30-150	%	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
decachlorobiphenyl SUR	115	30-150	%	5	JZL	9/27/16	9078	9/30/16	13:21	SW3540C8082A
PCB-1016	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
PCB-1221	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
PCB-1232	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
PCB-1242	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
PCB-1248	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
PCB-1254	5.9	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
PCB-1260	< 0.8	0.8	ug/g	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	112	30-150	%	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A
decachlorobiphenyl SUR	40	30-150	%	5	JZL	10/11/16	9127	10/11/16	13:49	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37954

Sample#: 37954-019

Sample ID: SB-106 (4-5')

Matrix: Solid

Percent Dry: 75% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 11:33		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1254	0.3	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	69	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
decachlorobiphenyl SUR	71	30-150	%	1	JZL	9/28/16	9081	9/30/16	11:34	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1254	0.6	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
PCB-1260	< 0.2	0.2	ug/g	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	89	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A
decachlorobiphenyl SUR	57	30-150	%	1	JZL	10/11/16	9127	10/11/16	11:43	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-005

Sample ID: SB-114 (6-7)

Matrix: Solid

Percent Dry: 75.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/26/16 16:05		Reporting		Instr	Dil'n	Prep	Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1254	2.9	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1260	1.9	0.2	ug/g	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	98	30-150	%	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
decachlorobiphenyl SUR	101	30-150	%	1	JZL	10/1/16	9089	10/7/16	20:17	SW3540C8082A
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1254	1.9	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
PCB-1260	1.6	0.2	ug/g	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	76	30-150	%	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A
decachlorobiphenyl SUR	54	30-150	%	1	JZL	10/12/16	9127	10/12/16	18:40	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-020

Sample ID: SB-119 (6.75-8.75)

Matrix: Solid

Percent Dry: 81.1% Results expressed on a dry weight basis.

Sampled: 9/27/16 10:35		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	2.8	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1221	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1232	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1242	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1248	< 1.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1254	2.0	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1260	3.3	1.0	ug/g	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	65	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
decachlorobiphenyl SUR	69	30-150	%	5	JZL	10/3/16	9092	10/8/16	0:06	SW3540C8082A
PCB-1016	3.2	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
PCB-1221	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
PCB-1232	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
PCB-1242	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
PCB-1248	< 0.9	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
PCB-1254	1.3	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
PCB-1260	1.7	0.9	ug/g	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	48	30-150	%	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A
decachlorobiphenyl SUR	46	30-150	%	5	JZL	10/12/16	9127	10/12/16	20:28	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 37970

Sample#: 37970-042

Sample ID: SB-126 (6.5-9)

Matrix: Solid

Percent Dry: 66.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/27/16 14:39		Reporting		Instr	Dil'n	Prep	Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time		
PCB-1016	15	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
PCB-1221	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
PCB-1232	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
PCB-1242	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
PCB-1248	< 2.2	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
PCB-1254	13	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
PCB-1260	42	2.2	ug/g	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	105	30-150	%	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
decachlorobiphenyl SUR	111	30-150	%	10	JZL	10/9/16	9116	10/13/16	1:49		SW3540C8082A
PCB-1016	13	2.5	ug/g	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
PCB-1221	< 2.5	2.5	ug/g	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
PCB-1232	< 2.5	2.5	ug/g	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
PCB-1242	< 2.5	2.5	ug/g	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
PCB-1248	< 2.5	2.5	ug/g	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
PCB-1254	19	2.5	ug/g	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
PCB-1260	71	2.5	ug/g	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	116	30-150	%	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A
decachlorobiphenyl SUR	108	30-150	%	10	JZL	10/14/16	9140	10/17/16	12:56		SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-004

Sample ID: SB-129 (4-5)

Matrix: Solid

Percent Dry: 91.4% Results expressed on a dry weight basis.

Sampled: 9/28/16 8:48		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1221	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1232	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1242	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1248	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1254	270	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1260	< 14	14	ug/g	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	DOR	30-150	%	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
decachlorobiphenyl SUR	DOR	30-150	%	100	JZL	10/6/16	9110	10/13/16	7:10	SW3540C8082A
PCB-1016	< 16	16	ug/g	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
PCB-1221	< 16	16	ug/g	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
PCB-1232	< 16	16	ug/g	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
PCB-1242	< 16	16	ug/g	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
PCB-1248	< 16	16	ug/g	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
PCB-1254	160	16	ug/g	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
PCB-1260	< 16	16	ug/g	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	DOR	30-150	%	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A
decachlorobiphenyl SUR	DOR	30-150	%	100	JZL	10/14/16	9140	10/17/16	10:20	SW3546/8082A

DOOR = Diluted out of range.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-009

Sample ID: SB-130 (7-8.5)

Matrix: Solid

Percent Dry: 67% Results expressed on a dry weight basis.

Sampled: 9/28/16 9:39		Reporting		Instr	Dil'n	Prep	Analysis			Reference
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
PCB-1016	16	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1221	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1232	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1242	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1248	< 4.2	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1254	67	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1260	88	4.2	ug/g	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	125	30-150	%	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
decachlorobiphenyl SUR	114	30-150	%	20	JZL	10/10/16	9116	10/13/16	4:06	SW3540C8082A
PCB-1016	8.0	4.1	ug/g	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
PCB-1221	< 4.1	4.1	ug/g	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
PCB-1232	< 4.1	4.1	ug/g	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
PCB-1242	< 4.1	4.1	ug/g	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
PCB-1248	< 4.1	4.1	ug/g	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
PCB-1254	93	4.1	ug/g	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
PCB-1260	39	4.1	ug/g	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
Surrogate Recovery										
Limits										
tetrachloro-m-xylene SUR	88	30-150	%	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A
decachlorobiphenyl SUR	76	30-150	%	20	JZL	10/14/16	9140	10/17/16	11:55	SW3546/8082A

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-012

Sample ID: SB-131 (7-8.5)

Matrix: Solid

Percent Dry: 63.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/28/16 10:06		Reporting		Instr	Dil'n	Prep		Analysis		
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference	
PCB-1016	25	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
PCB-1221	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
PCB-1232	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
PCB-1242	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
PCB-1248	< 11	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
PCB-1254	36	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
PCB-1260	190	11	ug/g	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	DOR	30-150	%	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
decachlorobiphenyl SUR	DOR	30-150	%	50	JZL	10/10/16	9116	10/13/16	12:55	SW3540C8082A	
PCB-1016	< 11	11	ug/g	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
PCB-1221	< 11	11	ug/g	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
PCB-1232	< 11	11	ug/g	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
PCB-1242	< 11	11	ug/g	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
PCB-1248	< 11	11	ug/g	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
PCB-1254	22	11	ug/g	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
PCB-1260	80	11	ug/g	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
Surrogate Recovery											
Limits											
tetrachloro-m-xylene SUR	DOR	30-150	%	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	
decachlorobiphenyl SUR	DOR	30-150	%	50	JZL	10/14/16	9140	10/17/16	10:52	SW3546/8082A	

DOOR = Diluted out of range.

Project ID: Hitchiner-Elm St. 7843-000

Job ID: 38016

Sample#: 38016-013

Sample ID: SB-131 (9-10)

Matrix: Solid

Percent Dry: 96.4% Results expressed on a dry weight basis.

Parameter	Sampled: 9/28/16 10:09		Reporting		Instr	Dil'n	Prep		Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time			
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
PCB-1254	0.8	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
PCB-1260	1.2	0.2	ug/g	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
Surrogate Recovery												
Limits												
tetrachloro-m-xylene SUR	85	30-150	%	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
decachlorobiphenyl SUR	97	30-150	%	1	JZL	10/10/16	9116	10/12/16	12:11	SW3540C8082A		
PCB-1016	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
PCB-1221	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
PCB-1232	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
PCB-1242	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
PCB-1248	< 0.2	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
PCB-1254	0.6	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
PCB-1260	1.1	0.2	ug/g	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
Surrogate Recovery												
Limits												
tetrachloro-m-xylene SUR	109	30-150	%	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		
decachlorobiphenyl SUR	101	30-150	%	1	JZL	10/12/16	9127	10/13/16	11:25	SW3546/8082A		



APPENDIX D
SITE OWNER CERTIFICATION



October 31, 2016

Ms. Kimberly Tisa
PCB Coordinator
US Environmental Protection Agency, Region 1
5 Post Office Square - Suite 100
Boston, MA 02109-3912

Re: Certification Statement for a Self-Implementing Cleanup of PCBs at the Hitchiner Manufacturing Company, Inc. in Milford, NH

Dear Ms. Tisa:

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

The supporting documents for the self-implementing PCB cleanup report for the Hitchiner facility are available for US EPA's review at GeoInsight, Inc. located at 186 Granite Street, 3rd Floor, Suite A in Manchester, New Hampshire. Please contact Michael Dacey at 603-314-0820.

Sincerely,
HITCHINER MANUFACTURING CO., INC.

Timothy C. Sullivan, Esq.
Vice President, Corporate Affairs and Services